



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281503122
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 12/15/2015
Analyzed: 12/16/2015
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F-1 281503122-0001	139th St.	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F-2 281503122-0002	142nd St.	18 L	0.073 µg	4.1 µg/m³	3.3 ppb 2.8 µg/m³
F-3 281503122-0003	144th St.	18 L	0.12 µg	6.7 µg/m³	5.4 ppb 2.8 µg/m³
F-4 281503122-0004	AQM5	18 L	0.056 µg	3.1 µg/m³	2.5 ppb 2.8 µg/m³
F-5 281503122-0005	Entrance of Admin Bldg.	17.4 L	0.070 µg	4.0 µg/m³	3.3 ppb 2.9 µg/m³
F-6 281503122-0006	By Water Fountain	18.18 L	0.11 µg	6.1 µg/m³	4.9 ppb 2.8 µg/m³
F-7 281503122-0007	Tennis Courts	15.6 L	0.11 µg	7.1 µg/m³	5.7 ppb 3.2 µg/m³
F-8 281503122-0008	Swimming Pool	18 L	0.070 µg	3.9 µg/m³	3.2 ppb 2.8 µg/m³
F-9 281503122-0009	Playground	18 L	0.079 µg	4.4 µg/m³	3.6 ppb 2.8 µg/m³
F-10 281503122-0010	West of Stacks	17.4 L	0.095 µg	5.5 µg/m³	4.4 ppb 2.9 µg/m³
F-11 281503122-0011	Entrance of Restaurant	18 L	0.066 µg	3.7 µg/m³	3.0 ppb 2.8 µg/m³
F1A 281503122-0012	139th St.	18 L	0.072 µg	4.0 µg/m³	3.3 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 12/17/2015 11:15:06 Replaces initial report from: 12/17/2015 11:04:41 Reason Code: needed ug/m3 report

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
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Collected:
Received: 12/15/2015
Analyzed: 12/16/2015
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F2A 281503122-0013	142nd St.	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F3A 281503122-0014	144th St.	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4A 281503122-0015	AQM5	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F5A 281503122-0016	Entrance of Admin Building	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F6A 281503122-0017	By Water Fountain	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F7A 281503122-0018	Tennis Courts	18 L	0.051 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F8A 281503122-0019	Swimming Pool	18 L	0.056 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F9A 281503122-0020	Playground	18 L	0.066 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F10A 281503122-0021	West of Stacks	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F11A 281503122-0022	Entrance of Restaurant	18 L	0.078 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
FB1 281503122-0023	Field Blank	N/A	<0.050 µg		
FB2 281503122-0024	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Collected:
Received: 12/15/2015
Analyzed: 12/16/2015
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
FB3 281503122-0025	Field Blank	N/A	<0.050 µg		
FB4 281503122-0026	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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EMSL Order ID: 281503157
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 12/18/2015
Analyzed: 12/21/2015

Proj: North Rover WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281503157-0001	139th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281503157-0002	142nd St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281503157-0003	144th St/Riverside Dr.	19.2 L	<0.050 µg	<2.6 µg/m³ <2.1 ppb	2.6 µg/m³
F4 281503157-0004	AQM5	20.4 L	<0.050 µg	<2.5 µg/m³ <2.0 ppb	2.5 µg/m³
F5 281503157-0005	Entrance of Admin	20.4 L	<0.050 µg	<2.5 µg/m³ <2.0 ppb	2.5 µg/m³
F6 281503157-0006	Football Field by Water	20.4 L	0.079 µg	3.9 µg/m³ 3.2 ppb	2.5 µg/m³
F7 281503157-0007	Tennis Courts	20.4 L	0.090 µg	4.4 µg/m³ 3.6 ppb	2.5 µg/m³
F8 281503157-0008	Swimming Pool	19.2 L	0.061 µg	3.2 µg/m³ 2.6 ppb	2.6 µg/m³
F9 281503157-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281503157-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281503157-0011	Entrance of Restaurant	19.25 L	0.066 µg	3.4 µg/m³ 2.8 ppb	2.6 µg/m³
F1A 281503157-0012	139th St/Riverside Dr.	18.6 L	<0.050 µg	<2.7 µg/m³ <2.2 ppb	2.7 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 12/22/2015 10:23:29 Replaces initial report from: 12/22/2015 09:34:49 Reason Code: client requested ug/m3 and ppb

1. Samples were received in acceptable condition unless otherwise noted.
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F2A 281503157-0013	142nd St/Riverside Dr.	18.6 L	<0.050 µg	<2.7 µg/m³	<2.2 ppb 2.7 µg/m³
F3A 281503157-0014	144th St/Riverside Dr.	18.6 L	<0.050 µg	<2.7 µg/m³	<2.2 ppb 2.7 µg/m³
F4A 281503157-0015	AQM5	20.4 L	0.097 µg	4.8 µg/m³	3.9 ppb 2.5 µg/m³
F5A 281503157-0016	Entrance of Admin	18 L	0.097 µg	5.4 µg/m³	4.4 ppb 2.8 µg/m³
F6A 281503157-0017	Football Field by Water	18 L	0.082 µg	4.6 µg/m³	3.7 ppb 2.8 µg/m³
F7A 281503157-0018	Tennis Courts	18 L	0.075 µg	4.2 µg/m³	3.4 ppb 2.8 µg/m³
F8A 281503157-0019	Swimming Pool	18 L	0.054 µg	3.0 µg/m³	2.4 ppb 2.8 µg/m³
F9A 281503157-0020	Playground	18 L	0.086 µg	4.8 µg/m³	3.9 ppb 2.8 µg/m³
F10A 281503157-0021	West of Stacks	18 L	0.10 µg	5.6 µg/m³	4.5 ppb 2.8 µg/m³
F11A 281503157-0022	Entrance of Restaurant	19.2 L	0.092 µg	4.8 µg/m³	3.9 ppb 2.6 µg/m³
FB1 281503157-0023	Field Blank	N/A	<0.050 µg		
FB2 281503157-0024	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
FB3 281503157-0025	Field Blank	N/A	<0.050 µg		
FB4 281503157-0026	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A	N/A

N/A = Not Applicable

Analyst(s)

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EMSL Order ID: 281503171
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 12/22/2015
Analyzed: 12/22/2015

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281503171-0001	139th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F2 281503171-0002	142nd St/Riverside Dr	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F3 281503171-0003	144th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F4 281503171-0004	AQM5	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F5 281503171-0005	Entrance of Admin	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F6 281503171-0006	Football Field by Water	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F7 281503171-0007	Tennis Courts	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F8 281503171-0008	Swimming Pool	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F9 281503171-0009	Playground	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F10 281503171-0010	West of Stacks	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F11 281503171-0011	Entrance of Restaurant	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F1A 281503171-0012	139th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 12/23/2015 09:45:10

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Analyzed: 12/22/2015
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Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

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F2A 281503171-0013	142nd St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F3A 281503171-0014	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4A 281503171-0015	AQM5	17.4 L	0.070 µg	4.0 µg/m³ 3.3 ppb	2.9 µg/m³
F5A 281503171-0016	Entrance of Admin	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F6A 281503171-0017	Football Field by Water	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F7A 281503171-0018	Tennis Courts	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F8A 281503171-0019	Swimming Pool	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F9A 281503171-0020	Playground	17.4 L	0.17 µg	9.8 µg/m³ 8.0 ppb	2.9 µg/m³
F10A 281503171-0021	West of Stacks	18 L	0.18 µg	10 µg/m³ 8.1 ppb	2.8 µg/m³
F11A 281503171-0022	Entrance of Restaurant	18 L	0.21 µg	12 µg/m³ 9.5 ppb	2.8 µg/m³
FB1 281503171-0023	Field Blank	N/A	<0.050 µg		
FB2 281503171-0024	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)

Caroline Frank

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Collected:
Received: 12/22/2015
Analyzed: 12/22/2015

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
FB3 281503171-0025	Field Blank	N/A	<0.050 µg		
FB4 281503171-0026	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A	N/A

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 12/23/2015 09:45:10

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EMSL Order ID: 281503254
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 12/31/2015
Analyzed: 1/04/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1A 281503254-0001	Riverside 139th St.	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F2A 281503254-0002	Riverside 142nd St.	18.6 L	0.094 µg	5.1 µg/m³ 4.1 ppb	2.7 µg/m³
F3A 281503254-0003	Riverside 144th St.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281503254-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281503254-0005	Entrance of Admin Bldg	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F6A 281503254-0006	by Water Fountain	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F7A 281503254-0007	by Tennis Courts	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F8A 281503254-0008	by Swimming Pool	18 L	0.18 µg	10 µg/m³ 8.1 ppb	2.8 µg/m³
9A 281503254-0009	by Playground	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F10A 281503254-0010	West of Stacks	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F11A 281503254-0011	Entrance of Restaurant	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F1P 281503254-0012	Riverside 139th St.	18 L	0.081 µg	4.5 µg/m³ 3.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 01/05/2016 17:41:59

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Received: 12/31/2015
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Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F2P 281503254-0013	Riverside 142nd St.	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F3P 281503254-0014	Riverside 144th St.	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F4P 281503254-0015	AQM5	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F5P 281503254-0016	Entrance of Admin Bldg	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F6P 281503254-0017	by Water Fountain	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F7P 281503254-0018	by Tennis Courts	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F8P 281503254-0019	by Swimming Pool	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F9P 281503254-0020	by Playground	17.4 L	0.069 µg	4.0 µg/m³ 3.2 ppb	2.9 µg/m³
F10P 281503254-0021	West of Stacks	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F11P 281503254-0022	Entrance of Restaurant	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
FBK1 281503254-0023	Field Blank	N/A	<0.050 µg		
FBK2 281503254-0024	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/05/2016 17:41:59

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281503254
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 12/31/2015
Analyzed: 1/04/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
FBK3 281503254-0025	Field Blank	N/A	<0.050 µg		
FBK4 281503254-0026	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A	N/A

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/05/2016 17:41:59

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600021
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/04/2016
Analyzed: 1/06/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
FA1 281600021-0001	Riverside 139th St.	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
FA2 281600021-0002	Riverside 142nd St.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
FA3 281600021-0003	Riverside 144th St.	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
FA4 281600021-0004	AQM5	18 L	0.056 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
FA5 281600021-0005	Entrance of Admin Building	18.6 L	<0.050 µg	<2.7 µg/m³ <2.2 ppb	2.7 µg/m³
FA6 281600021-0006	by Water Fountain	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
FA7 281600021-0007	by Tennis Courts	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
FA8 281600021-0008	by Swimming Pool	18 L	0.078 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
FA9 281600021-0009	by Playground	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
FA10 281600021-0010	West of Stacks	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
FA11 281600021-0011	Entrance of Restaurant	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
FA12 281600021-0012	Close to Elevator	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/07/2016 13:27:05 Replaces initial report from:01/07/2016 13:25:01 Reason Code: ppb form

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600021
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/04/2016
Analyzed: 1/06/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
FA13 281600021-0013	by Fence	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
FP1 281600021-0014	Riverside 139th St.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
FP2 281600021-0015	Riverside 142nd St.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
FP3 281600021-0016	Riverside 144th St.	18 L	0.075 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
FP4 281600021-0017	AQM5	18 L	0.075 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
FP5 281600021-0018	Entrance of Admin Building	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
FP6 281600021-0019	by Water Fountain	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
FP7 281600021-0020	by Tennis Courts	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
FP8 281600021-0021	by Swimming Pool	18 L	0.066 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
FP9 281600021-0022	by Playground	18 L	0.072 µg	4.0 µg/m³ 3.3 ppb	2.8 µg/m³
FP10 281600021-0023	West of Stacks	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
FP11 281600021-0024	Entrance of Restaurant	17.4 L	0.088 µg	5.1 µg/m³ 4.1 ppb	2.9 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/07/2016 13:27:05 Replaces initial report from:01/07/2016 13:25:01 Reason Code: ppb form

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Customer PO:
Project ID:

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Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/04/2016
Analyzed: 1/06/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
FP12 281600021-0025	Close to Elevator	18 L	0.069 µg	3.8 µg/m³	3.1 ppb	2.8 µg/m³
FP13 281600021-0026	by Fence	18 L	0.078 µg	4.3 µg/m³	3.5 ppb	2.8 µg/m³
F1-BK 281600021-0027	Field Blank	N/A	<0.050 µg			
F2-BK 281600021-0028	Field Blank	N/A	<0.050 µg			
F3-BK 281600021-0029	Field Blank	N/A	<0.050 µg			
F4-BK 281600021-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600046
Customer ID: LBAP78
Customer PO:
Project ID:

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Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/07/2016
Analyzed: 1/11/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600046-0001	139th St/Riverside Dr	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F2 281600046-0002	142nd St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F3 281600046-0003	144th St/Riverside Dr	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F4 281600046-0004	AQM5	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F5 281600046-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600046-0006	Football Field by Water	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F7 281600046-0007	Tennis Courts	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F8 281600046-0008	Swimming Pool	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F9 281600046-0009	Playground	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F10 281600046-0010	West of Stacks	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F11 281600046-0011	Entrance of Restaurant	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F12 281600046-0012	Northeast Corner	18 L	0.19 µg	11 µg/m³ 8.6 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/12/2016 17:36:32 Replaces initial report from:01/12/2016 17:35:56 Reason Code: ppb style

1. Samples were received in acceptable condition unless otherwise noted.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600046
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
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New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/07/2016
Analyzed: 1/11/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600046-0013	In The Middle	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F1A 281600046-0014	139th St/Riverside Dr	18 L	0.066 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F2A 281600046-0015	142nd St/Riverside Dr	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F3A 281600046-0016	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4A 281600046-0017	AQM5	16.8 L	<0.050 µg	<3.0 µg/m³ <2.4 ppb	3.0 µg/m³
F5A 281600046-0018	Entrance of Admin	18 L	0.089 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F6A 281600046-0019	Football Field by Water	19.2 L	0.061 µg	3.2 µg/m³ 2.6 ppb	2.6 µg/m³
F7A 281600046-0020	Tennis Courts	19.2 L	0.083 µg	4.3 µg/m³ 3.5 ppb	2.6 µg/m³
F8A 281600046-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281600046-0022	Playground	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F10A 281600046-0023	West of Stacks	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F11A 281600046-0024	Entrance of Restaurant	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/12/2016 17:36:32 Replaces initial report from:01/12/2016 17:35:56 Reason Code: ppb style

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600046
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/07/2016
Analyzed: 1/11/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281600046-0025	Northeast Corner	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F13A 281600046-0026	In The Middle	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
FB1 281600046-0027	Field Blank	N/A	<0.050 µg		
FB2 281600046-0028	Field Blank	N/A	<0.050 µg		
FB3 281600046-0029	Field Blank	N/A	<0.050 µg		
FB4 281600046-0030	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/12/2016 17:36:32 Replaces initial report from:01/12/2016 17:35:56 Reason Code: ppb style

1. Samples were received in acceptable condition unless otherwise noted.
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3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600062
Customer ID: LBAP78
Customer PO: 2001285
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/07/2016
Analyzed: 1/12/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600062-0001	139/Riverside Dr.	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F2 281600062-0002	142/Riverside Dr.	18 L	0.072 µg	4.0 µg/m³ 3.3 ppb	2.8 µg/m³
F3 281600062-0003	144/Riverside Dr.	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F4 281600062-0004	AQM5	17.4 L	0.091 µg	5.2 µg/m³ 4.3 ppb	2.9 µg/m³
F5 281600062-0005	Entrance Admin Bldg	17.4 L	0.16 µg	9.2 µg/m³ 7.5 ppb	2.9 µg/m³
F6 281600062-0006	Track & Field	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F7 281600062-0007	Baseball Field/Tennis Ct.	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F8 281600062-0008	SW Corner of Pool	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F9 281600062-0009	SE Corner of Playground	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F10 281600062-0010	Area West of Stacks	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F11 281600062-0011	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F12 281600062-0012	NE Corner of Park	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/13/2016 12:02:08

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC-IHLAP Lab 100194



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EMSL Order ID: 281600062
Customer ID: LBAP78
Customer PO: 2001285
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/07/2016
Analyzed: 1/12/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600062-0013	Middle of Park by Fence	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F1A 281600062-0014	139/Riverside Dr.	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F2A 281600062-0015	142/Riverside Dr.	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F3A 281600062-0016	144/Riverside Dr.	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F4A 281600062-0017	AQM5	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F5A 281600062-0018	Entrance of Admin Bldg	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F6A 281600062-0019	Track & Field	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F7A 281600062-0020	Baseball Field/Tennis Ct.	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F8A 281600062-0021	SW Corner of Pool	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F9A 281600062-0022	SE Corner of Playground	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F10A 281600062-0023	Area West of Stacks	18.6 L	0.081 µg	4.4 µg/m³ 3.5 ppb	2.7 µg/m³
F11A 281600062-0024	Entrance of Restaurant	18.6 L	0.11 µg	5.9 µg/m³ 4.8 ppb	2.7 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/13/2016 12:02:08

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Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax: (EMA) IL -ONLY
Collected:
Received: 1/07/2016
Analyzed: 1/12/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600062-0025	NE Corner of Park	18 L	0.060 µg	3.3 µg/m³	2.7 ppb	2.8 µg/m³
F13A 281600062-0026	Middle of Park by Fence	18 L	0.067 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³
FB1 281600062-0027	Field Blank	N/A	<0.050 µg			
FB2 281600062-0028	Field Blank	N/A	<0.050 µg			
FB3 281600062-0029	Field Blank	N/A	<0.050 µg			
FB4 281600062-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/13/2016 12:02:08

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600123
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/14/2016
Analyzed: 1/16/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600123-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600123-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281600123-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600123-0004	AQM5	18 L	0.058 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F5 281600123-0005	Entrance of Admin	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F6 281600123-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600123-0007	Tennis Courts	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F8 281600123-0008	Swimming Pool	16.5 L	0.051 µg	3.1 µg/m³ 2.5 ppb	3.0 µg/m³
F9 281600123-0009	Playground	16.5 L	<0.050 µg	<3.0 µg/m³ <2.5 ppb	3.0 µg/m³
F10 281600123-0010	West of Stacks	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F11 281600123-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281600123-0012	Northeast Corner	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/20/2016 18:28:02 Replaces amended report from:01/20/2016 17:49:56 Reason Code: Data Entry-Change to Appearance

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281600123
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/14/2016
Analyzed: 1/16/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281600123-0013	In the Middle	18 L	0.11 µg	6.0 µg/m ³	4.9 ppb	2.8 µg/m ³
F1A 281600123-0014	139th St/ Riverside Dr	18 L	0.056 µg	3.1 µg/m ³	2.5 ppb	2.8 µg/m ³
F2A 281600123-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m ³	<2.3 ppb	2.8 µg/m ³
F3A 281600123-0016	144th St/Riverside Dr	18 L	0.064 µg	3.6 µg/m ³	2.9 ppb	2.8 µg/m ³
F4A 281600123-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m ³	<2.3 ppb	2.8 µg/m ³
F5A 281600123-0018	Entrance of Admin	18 L	0.069 µg	3.8 µg/m ³	3.1 ppb	2.8 µg/m ³
F6A 281600123-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m ³	<2.3 ppb	2.8 µg/m ³
F7A 281600123-0020	Tennis Courts	18 L	0.10 µg	5.6 µg/m ³	4.6 ppb	2.8 µg/m ³
F8A 281600123-0021	Swimming Pool	18 L	0.11 µg	6.0 µg/m ³	4.9 ppb	2.8 µg/m ³
F9A 281600123-0022	Playground	18 L	0.12 µg	6.8 µg/m ³	5.5 ppb	2.8 µg/m ³
F10A 281600123-0023	West of Stacks	16.8 L	0.10 µg	6.0 µg/m ³	4.9 ppb	3.0 µg/m ³
F11A 281600123-0024	Entrance of Restaurant	18 L	0.11 µg	5.9 µg/m ³	4.8 ppb	2.8 µg/m ³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/20/2016 18:28:02 Replaces amended report from:01/20/2016 17:49:56 Reason Code: Data Entry-Change to Appearance

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600123
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/14/2016
Analyzed: 1/16/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600123-0025	Northeast Corner	16.5 L	0.11 µg	6.5 µg/m³	5.3 ppb	3.0 µg/m³
F13A 281600123-0026	In the Middle	16.5 L	0.057 µg	3.5 µg/m³	2.8 ppb	3.0 µg/m³
FB1 281600123-0027	Field Blank	N/A	<0.050 µg			
FB2 281600123-0028	Field Blank	N/A	<0.050 µg			
FB3 281600123-0029	Field Blank	N/A	<0.050 µg			
FB4 281600123-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/20/2016 18:28:02 Replaces amended report from:01/20/2016 17:49:56 Reason Code: Data Entry-Change to Appearance

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281600133
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/15/2016
Analyzed: 1/20/2016
Proj: North River Formaldehyde Sampling -- 300524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F8A 281600133-0021	Swimming Pool	18 L	0.11 µg	6.3 µg/m³	5.2 ppb	2.8 µg/m³
F9A 281600133-0022	Playground	18 L	0.12 µg	6.6 µg/m³	5.4 ppb	2.8 µg/m³
F10A 281600133-0023	West of Stacks	18 L	0.13 µg	7.4 µg/m³	6.0 ppb	2.8 µg/m³
F11A 281600133-0024	Entrance of Restaurant	18 L	0.13 µg	7.4 µg/m³	6.0 ppb	2.8 µg/m³
F12A 281600133-0025	Elevator	18 L	0.16 µg	9.0 µg/m³	7.3 ppb	2.8 µg/m³
F13A 281600133-0026	In the Middle of the Fence	18 L	0.14 µg	7.9 µg/m³	6.4 ppb	2.8 µg/m³
FB1 281600133-0027	Field Blank	N/A	<0.050 µg			
FB2 281600133-0028	Field Blank	N/A	<0.050 µg			
FB3 281600133-0029	Field Blank	N/A	<0.050 µg			
FB4 281600133-0030	Field Blank	N/A	<0.050 µg			
F1 281600133-0001	139th St/Riverside Dr	18 L	0.10 µg	5.8 µg/m³	4.7 ppb	2.8 µg/m³
F2 281600133-0002	142nd St/Riverside Dr	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/25/2016 16:06:52 Replaces amended report from:01/25/2016 16:01:07 Reason Code: Data Entry-Change to Appearance

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Project ID:

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48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 1/15/2016
Analyzed: 1/20/2016

Proj: North River Formaldehyde Sampling -- 300524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F3 281600133-0003	144th St/Riverside Dr	18 L	0.17 µg	9.5 µg/m³ 7.7 ppb	2.8 µg/m³
F4 281600133-0004	AQM5	18 L	0.11 µg	5.9 µg/m³ 4.8 ppb	2.8 µg/m³
F5 281600133-0005	Entrance of Admin	18 L	0.14 µg	7.5 µg/m³ 6.1 ppb	2.8 µg/m³
F6 281600133-0006	Football Field by Water	18 L	0.16 µg	9.0 µg/m³ 7.3 ppb	2.8 µg/m³
F7 281600133-0007	Tennis Courts	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F8 281600133-0008	Simming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600133-0009	Playground	18 L	0.11 µg	6.3 µg/m³ 5.2 ppb	2.8 µg/m³
F10 281600133-0010	West of Stacks	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F11 281600133-0011	Entrance of Restaurant	18.6 L	0.094 µg	5.1 µg/m³ 4.1 ppb	2.7 µg/m³
F12 281600133-0012	Elevator	18 L	0.17 µg	9.3 µg/m³ 7.6 ppb	2.8 µg/m³
F13 281600133-0013	In the Middle of the Fence	18 L	0.12 µg	6.4 µg/m³ 5.2 ppb	2.8 µg/m³
F1A 281600133-0014	139th St/Riverside Dr	18 L	0.11 µg	6.3 µg/m³ 5.2 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/25/2016 16:06:52 Replaces amended report from:01/25/2016 16:01:07 Reason Code: Data Entry-Change to Appearance

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281600133
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/15/2016
Analyzed: 1/20/2016
Proj: North River Formaldehyde Sampling -- 300524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F2A 281600133-0015	142nd St/Riverside Dr	18 L	0.14 µg	7.5 µg/m³ 6.1 ppb	2.8 µg/m³
F3A 281600133-0016	144th St/Riverside Dr	18 L	0.17 µg	9.7 µg/m³ 7.9 ppb	2.8 µg/m³
F4A 281600133-0017	AQM5	17.4 L	0.16 µg	9.3 µg/m³ 7.6 ppb	2.9 µg/m³
F5A 281600133-0018	Entrance of Admin	18 L	0.22 µg	12 µg/m³ 9.7 ppb	2.8 µg/m³
F6A 281600133-0019	Football Field by Water	18 L	0.21 µg	11 µg/m³ 9.3 ppb	2.8 µg/m³
F7A 281600133-0020	Tennis Courts	18 L	0.14 µg	7.9 µg/m³ 6.4 ppb	2.8 µg/m³
Media Blank		N/A	<0.050 µg	N/A N/A	N/A

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/25/2016 16:06:52 Replaces amended report from:01/25/2016 16:01:07 Reason Code: Data Entry-Change to Appearance

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600190
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/20/2016
Analyzed: 1/26/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600190-0001	139th St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F2 281600190-0002	142nd St/Riverside Dr	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F3 281600190-0003	144th St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F4 281600190-0004	AQM5	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F5 281600190-0005	Entrance of Admin	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F6 281600190-0006	Football Field by Water	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F7 281600190-0007	Tennis Courts	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F8 281600190-0008	Swimming Pool	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F9 281600190-0009	Playground	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F10 281600190-0010	West of Stacks	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F11 281600190-0011	Entrance of Restaurant	18 L	0.075 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F12 281600190-0012	Northeast Corner of the	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/27/2016 16:33:26 Replaces initial report from:01/27/2016 16:33:00 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600190
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 1/20/2016
Analyzed: 1/26/2016

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600190-0013	In the Middle of the	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F1 281600190-0014	139th St/Riverside	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F2 281600190-0015	142nd St/Riverside	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F3 281600190-0016	144th St/Riverside	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F4 281600190-0017	AQM5	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F5 281600190-0018	Entrance of Admin	18.6 L	0.063 µg	3.4 µg/m³ 2.8 ppb	2.7 µg/m³
F6 281600190-0019	Football Field by Water	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F7 281600190-0020	Tennis Courts	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F8 281600190-0021	Swimming Pool	18 L	0.066 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F9 281600190-0022	Playground	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F10 281600190-0023	West of Stacks	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F11 281600190-0024	Entrance of Restaurant	18 L	0.089 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/27/2016 16:33:26 Replaces initial report from:01/27/2016 16:33:00 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600190
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/20/2016
Analyzed: 1/26/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12 281600190-0025	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F13 281600190-0026	In the Middle of the	18 L	0.076 µg	4.2 µg/m³	3.4 ppb 2.8 µg/m³
FB1 281600190-0027	Field Blank	N/A	0.064 µg		
FB2 281600190-0028	Field Blank	N/A	<0.050 µg		
FB3 281600190-0029	Field Blank	N/A	0.064 µg		
FB4 281600190-0030	Field Blank	N/A	0.066 µg		

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 01/27/2016 16:33:26 Replaces initial report from:01/27/2016 16:33:00 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281600205
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected: 1/21/2016 12:00:00AM
Received: 1/22/2016
Analyzed: 1/27/2016

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600205-0001	139th St/Riverside Dr	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F2 281600205-0002	142nd St/Riverside Dr	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F3 281600205-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600205-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281600205-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600205-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600205-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600205-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600205-0009	Playground	18 L	0.050 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F10 281600205-0010	West of Stacks	18 L	0.051 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F11 281600205-0011	Entrance of Resturant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281600205-0012	Northeast Corner	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/28/2016 13:34:59

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600205
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected: 1/21/2016 12:00:00AM
Received: 1/22/2016
Analyzed: 1/27/2016

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600205-0013	Middle	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281600205-0014	139th St/Riverside Dr	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F2A 281600205-0015	142nd St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F3A 281600205-0016		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281600205-0017		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281600205-0018		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281600205-0019		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281600205-0020		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281600205-0021		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281600205-0022		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281600205-0023		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281600205-0024		18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/28/2016 13:34:59

1. Samples were received in acceptable condition unless otherwise noted.
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3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600205
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected: 1/21/2016 12:00:00AM
Received: 1/22/2016
Analyzed: 1/27/2016

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600205-0025		18 L	0.091 µg	5.1 µg/m³	4.1 ppb	2.8 µg/m³
F13A 281600205-0026		18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600205-0027	Field Blank	N/A	<0.050 µg			
FB2 281600205-0028	Field Blank	N/A	<0.050 µg			
FB3 281600205-0029	Field Blank	N/A	<0.050 µg			
FB4 281600205-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 01/28/2016 13:34:59

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600262
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/27/2016
Analyzed: 2/01/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600262-0001	139th St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F2 281600262-0002	142nd St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F3 281600262-0003	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4 281600262-0004	AQM5	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F5 281600262-0005	Entrance of Admin	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F6 281600262-0006	Football Field by Water	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F7 281600262-0007	Tennis Courts	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F8 281600262-0008	Swimming Pool	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F9 281600262-0009	Playground	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
F10 281600262-0010	West of Stacks	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F11 281600262-0011	Entrance of Restaurant	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F12 281600262-0012	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/02/2016 12:00:23

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600262
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 1/27/2016
Analyzed: 2/01/2016

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit	
F13 281600262-0013	In the Middle of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F1A 281600262-0014	139th St/Riverside	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F2A 281600262-0015	142nd St/Riverside	18 L	0.094 µg	5.2 µg/m³	4.3 ppb	2.8 µg/m³
F3A 281600262-0016	144th St/Riverside	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
F4A 281600262-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F5A 281600262-0018	Entrance of Admin	18 L	0.098 µg	5.4 µg/m³	4.4 ppb	2.8 µg/m³
F6A 281600262-0019	Football Field by Water	18 L	0.053 µg	2.9 µg/m³	2.4 ppb	2.8 µg/m³
F7A 281600262-0020	Tennis Courts	18 L	0.057 µg	3.2 µg/m³	2.6 ppb	2.8 µg/m³
F8A 281600262-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F9A 281600262-0022	Playground	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F10A 281600262-0023	West of Stacks	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F11A 281600262-0024	Entrance of Restaurant	18 L	0.063 µg	3.5 µg/m³	2.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/02/2016 12:00:23

1. Samples were received in acceptable condition unless otherwise noted.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600262
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/27/2016
Analyzed: 2/01/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600262-0025	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281600262-0026	In the Middle of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600262-0027	Field Blank	N/A	<0.050 µg			
FB2 281600262-0028	Field Blank	N/A	<0.050 µg			
FB3 281600262-0029	Field Blank	N/A	<0.050 µg			
FB4 281600262-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/02/2016 12:00:23

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600289
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/28/2016
Analyzed: 2/03/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600289-0001	139th St/Riverside Dr	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F2 281600289-0002	142nd St/Riverside Dr	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F3 281600289-0003	144th St/Riverside Dr	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F4 281600289-0004	AQM5	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F5 281600289-0005	Entrance of Admin	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F6 281600289-0006	Football Field by Water	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F7 281600289-0007	Tennis Courts	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F8 281600289-0008	Swimming Pool	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F9 281600289-0009	Playground	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F10 281600289-0010	West of Stacks	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F11 281600289-0011	Entrance of Restaurant	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F12 281600289-0012	Close to Elevator	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/05/2016 13:51:25

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281600289
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/28/2016
Analyzed: 2/03/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281600289-0013	by Baseball Field Fence	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
F1A 281600289-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F2A 281600289-0015	142nd St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F3A 281600289-0016	144th St/Riverside Dr	18 L	0.47 µg	26 µg/m³	21 ppb	2.8 µg/m³
F4A 281600289-0017	AQM5	18 L	0.057 µg	3.2 µg/m³	2.6 ppb	2.8 µg/m³
F5A 281600289-0018	Entrance of Admin	18.6 L	0.069 µg	3.7 µg/m³	3.0 ppb	2.7 µg/m³
F6A 281600289-0019	Football Field by Water	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
F7A 281600289-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F8A 281600289-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F9A 281600289-0022	Playground	18 L	0.069 µg	3.8 µg/m³	3.1 ppb	2.8 µg/m³
F10A 281600289-0023	West of Stacks	18 L	0.073 µg	4.1 µg/m³	3.3 ppb	2.8 µg/m³
F11A 281600289-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/05/2016 13:51:25

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281600289
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 1/28/2016
Analyzed: 2/03/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600289-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281600289-0026	By Baseball Field Fence	18 L	0.19 µg	11 µg/m³	8.6 ppb	2.8 µg/m³
FB1 281600289-0027	Field Blank	N/A	<0.050 µg			
FB2 281600289-0028	Field Blank	N/A	<0.050 µg			
FB3 281600289-0029	Field Blank	N/A	<0.050 µg			
FB4 281600289-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/05/2016 13:51:25

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3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600443
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/10/2016
Analyzed: 2/15/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600443-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600443-0002	142nd St/Riverside Dr	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F3 281600443-0003	144th St/Riverside Dr	18 L	0.055 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F4 281600443-0004	AQM5	18 L	0.052 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F5 281600443-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600443-0006	Football Field by Water	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F7 281600443-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600443-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600443-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600443-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600443-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281600443-0012	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/16/2016 17:00:09 Replaces initial report from:02/16/2016 16:51:00 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/10/2016
Analyzed: 2/15/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600443-0013	In the Middle of the	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F1A 281600443-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281600443-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281600443-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281600443-0017	AQM5	19.2 L	<0.050 µg	<2.6 µg/m³ <2.1 ppb	2.6 µg/m³
F5A 281600443-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281600443-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281600443-0020	Tennis Courts	18 L	0.068 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F8A 281600443-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281600443-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281600443-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281600443-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/16/2016 17:00:09 Replaces initial report from:02/16/2016 16:51:00 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600443
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/10/2016
Analyzed: 2/15/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281600443-0025	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F13A 281600443-0026	In the Middle of the	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
FB1 281600443-0027	Field Blank	N/A	<0.050 µg		
FB2 281600443-0028	Field Blank	N/A	<0.050 µg		
FB3 281600443-0029	Field Blank	N/A	<0.050 µg		
FB4 281600443-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/16/2016 17:00:09 Replaces initial report from:02/16/2016 16:51:00 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600461
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 2/11/2016
Analyzed: 2/16/2016

Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600461-0001	139TH St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600461-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281600461-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600461-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281600461-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600461-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600461-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600461-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600461-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600461-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600461-0011	Entrance of Restaurant	18 L	0.062 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F12 281600461-0012	Northeast Corner of the	18 L	0.056 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/18/2016 16:47:55 Replaces amended report from:02/18/2016 16:47:13 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600461
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/11/2016
Analyzed: 2/16/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600461-0013	In the Middle of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F1A 281600461-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F2A 281600461-0015	142nd St/Riverside Dr	18 L	0.050 µg	2.8 µg/m³	2.3 ppb 2.8 µg/m³
F3A 281600461-0016	144th St/Riverside Dr	18 L	0.068 µg	3.8 µg/m³	3.1 ppb 2.8 µg/m³
F4A 281600461-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F5A 281600461-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F6A 281600461-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F7A 281600461-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F8A 281600461-0021	Swimming Pools	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F9A 281600461-0022	Playground	18 L	0.055 µg	3.1 µg/m³	2.5 ppb 2.8 µg/m³
F10A 281600461-0023	West of Stacks	18 L	0.082 µg	4.6 µg/m³	3.7 ppb 2.8 µg/m³
F11A 281600461-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/18/2016 16:47:55 Replaces amended report from:02/18/2016 16:47:13 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600461
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/11/2016
Analyzed: 2/16/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600461-0025	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281600461-0026	In the Middle of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600461-0027	Field Blank	N/A	<0.050 µg			
FB2 281600461-0028	Field Blank	N/A	<0.050 µg			
FB3 281600461-0029	Field Blank	N/A	<0.050 µg			
FB4 281600461-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/18/2016 16:47:55 Replaces amended report from:02/18/2016 16:47:13 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600516
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/17/2016
Analyzed: 2/22/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600516-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600516-0002	142nd St/Riverside Dr	18 L	0.050 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F3 281600516-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600516-0004	AQM5	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F5 281600516-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600516-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600516-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600516-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600516-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600516-0010	West of Stacks	18 L	0.052 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F11 281600516-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281600516-0012	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/23/2016 15:38:08

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600516
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/17/2016
Analyzed: 2/22/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600516-0013	In the Middle of the	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1 281600516-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600516-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281600516-0016	144th St/Riverside Dr	18 L	0.058 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F4 281600516-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281600516-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600516-0019	Football Fields by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600516-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600516-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600516-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600516-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600516-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/23/2016 15:38:08

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600516
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/17/2016
Analyzed: 2/22/2016
Proj: North River WWTP

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12 281600516-0025	Northeast Corner of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13 281600516-0026	In the Middle of the	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600516-0027	Field Blank	N/A	<0.050 µg			
FB2 281600516-0028	Field Blank	N/A	<0.050 µg			
FB3 281600516-0029	Field Blank	N/A	<0.050 µg			
FB4 281600516-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/23/2016 15:38:08

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600529
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/18/2016
Analyzed: 2/23/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600529-0001	139th St/Riverside Dr	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F2 281600529-0002	142nd St/Riverside Dr	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F3 281600529-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600529-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281600529-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600529-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600529-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600529-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600529-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600529-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600529-0011	Entrance of Restaurant	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F12 281600529-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/24/2016 11:36:36 Replaces initial report from:02/24/2016 11:36:06 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600529
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/18/2016
Analyzed: 2/23/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281600529-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F1A 281600529-0014	139th St/Riverside Dr	18 L	0.076 µg	4.2 µg/m³	3.4 ppb	2.8 µg/m³
F2A 281600529-0015	142nd St/Riverside Dr	18 L	0.082 µg	4.6 µg/m³	3.7 ppb	2.8 µg/m³
F3A 281600529-0016	144th St/Riverside Dr	18 L	0.059 µg	3.3 µg/m³	2.7 ppb	2.8 µg/m³
F4A 281600529-0017	AQM5	18 L	0.053 µg	2.9 µg/m³	2.4 ppb	2.8 µg/m³
F5A 281600529-0018	Entrance of Admin	18 L	0.050 µg	2.8 µg/m³	2.3 ppb	2.8 µg/m³
F6A 281600529-0019	Football Field by Water	18 L	0.058 µg	3.2 µg/m³	2.6 ppb	2.8 µg/m³
F7A 281600529-0020	Tennis Courts	18 L	0.068 µg	3.8 µg/m³	3.1 ppb	2.8 µg/m³
F8A 281600529-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F9A 281600529-0022	Playground	18 L	0.059 µg	3.3 µg/m³	2.7 ppb	2.8 µg/m³
F10A 281600529-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F11A 281600529-0024	Entrance of Restaurant	18 L	0.056 µg	3.1 µg/m³	2.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/24/2016 11:36:36 Replaces initial report from:02/24/2016 11:36:06 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600529
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/18/2016
Analyzed: 2/23/2016
Proj: 3000524.00

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600529-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281600529-0026	by Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600529-0027	Field Blank	N/A	<0.050 µg			
FB2 281600529-0028	Field Blank	N/A	<0.050 µg			
FB3 281600529-0029	Field Blank	N/A	<0.050 µg			
FB4 281600529-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 02/24/2016 11:36:36 Replaces initial report from:02/24/2016 11:36:06 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600565
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/22/2016
Analyzed: 2/25/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600565-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600565-0002	142nd St/Riverside Dr	18 L	0.052 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F3 281600565-0003	144th St/Riverside Dr	18 L	0.050 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F4 281600565-0004	AQM5	18.6 L	<0.050 µg	<2.7 µg/m³ <2.2 ppb	2.7 µg/m³
F5 281600565-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600565-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600565-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600565-0008	Swimming Pool	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F9 281600565-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600565-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600565-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281600565-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/26/2016 15:40:17

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600565
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Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/22/2016
Analyzed: 2/25/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600565-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281600565-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281600565-0015	142nd St/Riverside Dr	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F3A 281600565-0016	144th St/Riverside	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281600565-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281600565-0018	Entrance of Admin	18 L	0.071 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F6A 281600565-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281600565-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281600565-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281600565-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281600565-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281600565-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/26/2016 15:40:17

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600565
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/22/2016
Analyzed: 2/25/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600565-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281600565-0026	Baseball Field by Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600565-0027	Field Blank	N/A	<0.050 µg			
FB2 281600565-0028	Field Blank	N/A	<0.050 µg			
FB3 281600565-0029	Field Blank	N/A	<0.050 µg			
FB4 281600565-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Scott VanEtten

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 02/26/2016 15:40:17

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600607
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/25/2016
Analyzed: 2/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600607-0001	139th St/Riverside Dr	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F2 281600607-0002	142nd St/Riverside Dr	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F3 281600607-0003	144th St/Riverside Dr	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F4 281600607-0004	AQM5	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F5 281600607-0005	Entrance of Admin	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F6 281600607-0006	Football Field by Water	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F7 281600607-0007	Tennis Courts	18 L	0.056 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F8 281600607-0008	Swimming Pool	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F9 281600607-0009	Playground	18 L	0.074 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F10 281600607-0010	West of Stacks	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F11 281600607-0011	Entrance of Restaurant	18.6 L	0.079 µg	4.2 µg/m³ 3.5 ppb	2.7 µg/m³
F12 281600607-0012	Close to Elevator	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 03/01/2016 15:37:42 Replaces initial report from:03/01/2016 15:37:19 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281600607
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/25/2016
Analyzed: 2/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281600607-0013	By Baseball Field Fence	18 L	0.097 µg	5.4 µg/m³	4.4 ppb	2.8 µg/m³
F1A 281600607-0014	139th St/Riverside Dr	18 L	0.093 µg	5.2 µg/m³	4.2 ppb	2.8 µg/m³
F2A 281600607-0015	142nd St/Riverside	18 L	0.067 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³
F3A 281600607-0016	144nd St/Riverside	18 L	0.077 µg	4.3 µg/m³	3.5 ppb	2.8 µg/m³
F4A 281600607-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F5A 281600607-0018	Entrance of Admin	18 L	0.080 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
F6A 281600607-0019	Football Field by Water	18 L	0.074 µg	4.1 µg/m³	3.3 ppb	2.8 µg/m³
F7A 281600607-0020	Tennis Courts	18 L	0.079 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
F8A 281600607-0021	Swimming Pool	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F9A 281600607-0022	Playground	18 L	0.093 µg	5.2 µg/m³	4.2 ppb	2.8 µg/m³
F10A 281600607-0023	West of Stacks	18 L	0.079 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
F11A 281600607-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 03/01/2016 15:37:42 Replaces initial report from:03/01/2016 15:37:19 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Customer ID: LBAP78
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Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 2/25/2016
Analyzed: 2/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600607-0025	Close to Elevator	18 L	0.083 µg	4.6 µg/m³	3.8 ppb	2.8 µg/m³
F13A 281600607-0026	By Baseball Field Fence	18 L	0.062 µg	3.4 µg/m³	2.8 ppb	2.8 µg/m³
FB1 281600607-0027	Field Blank	N/A	<0.050 µg			
FB2 281600607-0028	Field Blank	N/A	<0.050 µg			
FB3 281600607-0029	Field Blank	N/A	<0.050 µg			
FB4 281600607-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Report amended: 03/01/2016 15:37:42 Replaces initial report from:03/01/2016 15:37:19 Reason Code: ppb

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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600674
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/01/2016
Analyzed: 3/03/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600674-0001	139th St/Riverside Dr	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F2 281600674-0002	142nd St/Riverside Dr	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F3 281600674-0003	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4 281600674-0004	AQM5	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F5 281600674-0005	Entrance of Admin	18 L	0.099 µg	5.5 µg/m³ 4.5 ppb	2.8 µg/m³
F6 281600674-0006	Football Field by Water	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F7 281600674-0007	Tennis Courts	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F8 281600674-0008	Swimming Pool	18 L	0.093 µg	5.2 µg/m³ 4.2 ppb	2.8 µg/m³
F9 281600674-0009	Playground	18 L	0.065 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F10 281600674-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600674-0011	Entrance of Restaurant	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F12 281600674-0012	Close to Elevator	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/07/2016 16:03:34

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/01/2016
Analyzed: 3/03/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600674-0013	By Baseball Field Fence	18 L	0.089 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F1 281600674-0014	139th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F2 281600674-0015	142nd St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F3 281600674-0016	144nd St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4 281600674-0017	AQM5	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F5 281600674-0018	Entrance of Admin	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F6 281600674-0019	Football Field by Water	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F7 281600674-0020	Tennis Courts	18 L	0.099 µg	5.5 µg/m³ 4.5 ppb	2.8 µg/m³
F8 281600674-0021	Swimming Pool	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F9 281600674-0022	Playground	18 L	0.099 µg	5.5 µg/m³ 4.5 ppb	2.8 µg/m³
F10 281600674-0023	West of Stacks	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F11 281600674-0024	Entrance of Restaurant	18 L	0.056 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/07/2016 16:03:34

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/01/2016
Analyzed: 3/03/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12 281600674-0025	Close to Elevator	18 L	0.082 µg	4.6 µg/m³	3.7 ppb	2.8 µg/m³
F13 281600674-0026	By Baseball Field Fence	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
FB1 281600674-0027	Field Blank	N/A	<0.050 µg			
FB2 281600674-0028	Field Blank	N/A	<0.050 µg			
FB3 281600674-0029	Field Blank	N/A	<0.050 µg			
FB4 281600674-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/07/2016 16:03:34

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600783
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/09/2016
Analyzed: 3/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600783-0001	139th St/Riverside Dr.	18 L	0.29 µg	16 µg/m³ 13 ppb	2.8 µg/m³
F2 281600783-0002	142nd St/Riverside Dr	18 L	0.22 µg	12 µg/m³ 10 ppb	2.8 µg/m³
F3 281600783-0003	144th St/Riverside Dr	18 L	0.24 µg	13 µg/m³ 11 ppb	2.8 µg/m³
F4 281600783-0004	AQM5	18 L	0.32 µg	18 µg/m³ 14 ppb	2.8 µg/m³
F5 281600783-0005	Entrance of Admin	18 L	0.32 µg	18 µg/m³ 14 ppb	2.8 µg/m³
F6 281600783-0006	Football Field by Water	18 L	0.26 µg	14 µg/m³ 12 ppb	2.8 µg/m³
F7 281600783-0007	Tennis Courts	18 L	0.22 µg	12 µg/m³ 10 ppb	2.8 µg/m³
F8 281600783-0008	Swimming Pool	18 L	0.33 µg	18 µg/m³ 15 ppb	2.8 µg/m³
F9 281600783-0009	Playground	18 L	0.23 µg	13 µg/m³ 10 ppb	2.8 µg/m³
F10 281600783-0010	West of Stacks	18 L	0.28 µg	16 µg/m³ 13 ppb	2.8 µg/m³
F11 281600783-0011	Entrance of Restaurant	18 L	0.36 µg	20 µg/m³ 16 ppb	2.8 µg/m³
F12 281600783-0012	Close to Elevator	18 L	0.41 µg	23 µg/m³ 19 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/16/2016 13:40:02

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281600783
Customer ID: LBAP78
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/09/2016
Analyzed: 3/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600783-0013	By Baseball Field Fence	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F1A 281600783-0014	139th St/Riverside Dr	18 L	0.26 µg	14 µg/m³ 12 ppb	2.8 µg/m³
F2A 281600783-0015	142nd St/Riverside Dr	18 L	0.31 µg	17 µg/m³ 14 ppb	2.8 µg/m³
F3A 281600783-0016	144th St/Riverside Dr	18 L	0.32 µg	18 µg/m³ 14 ppb	2.8 µg/m³
F4A 281600783-0017	AQM5	18 L	0.22 µg	12 µg/m³ 10 ppb	2.8 µg/m³
F5A 281600783-0018	Entrance of Admin	18 L	0.19 µg	11 µg/m³ 8.6 ppb	2.8 µg/m³
F6A 281600783-0019	Football Field by Water	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F7A 281600783-0020	Tennis Courts	18 L	0.18 µg	10 µg/m³ 8.1 ppb	2.8 µg/m³
F8A 281600783-0021	Swimming Pool	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F9A 281600783-0022	Playground	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F10A 281600783-0023	West of Stacks	18 L	0.21 µg	12 µg/m³ 9.5 ppb	2.8 µg/m³
F11A 281600783-0024	Entrance of Restaurant	18 L	0.26 µg	14 µg/m³ 12 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/16/2016 13:40:02

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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 3/09/2016
Analyzed: 3/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600783-0025	Close to Elevator	18.6 L	0.12 µg	6.5 µg/m³	5.3 ppb	2.7 µg/m³
F13A 281600783-0026	By Baseball Field Fence	18.6 L	0.15 µg	8.1 µg/m³	6.6 ppb	2.7 µg/m³
FB1 281600783-0027	Field Blank	N/A	0.050 µg			
FB2 281600783-0028	Field Blank	N/A	<0.050 µg			
FB3 281600783-0029	Field Blank	N/A	<0.050 µg			
FB4 281600783-0030	Field Blank	N/A	<0.050 µg			

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 03/16/2016 13:40:02

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EMSL Order ID: 281600878
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/16/2016
Analyzed: 3/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600878-0001	139th St/Riverside Dr	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F2 281600878-0002	142nd St/Riverside Dr	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F3 281600878-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600878-0004	AQM5	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F5 281600878-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600878-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600878-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600878-0008	Swimming Pool	18 L	0.059 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F9 281600878-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600878-0010	West of Stacks	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F11 281600878-0011	Entrance of Restaruant	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F12 281600878-0012	Close to Elevator	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 03/23/2016 14:15:17 Replaces initial report from:03/23/2016 14:14:47 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 3/16/2016
Analyzed: 3/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281600878-0013	by Baseball Field Fence	19.5 L	0.098 µg	5.0 µg/m³	4.1 ppb	2.6 µg/m³
F1A 281600878-0014	139th St/Riverside Dr	18 L	0.086 µg	4.8 µg/m³	3.9 ppb	2.8 µg/m³
F2A 281600878-0015	142nd St/Riverside Dr	18 L	0.092 µg	5.1 µg/m³	4.2 ppb	2.8 µg/m³
F3A 281600878-0016	144th St/Riverside Dr	18 L	0.050 µg	2.8 µg/m³	2.3 ppb	2.8 µg/m³
F4A 281600878-0017	AQM5	18 L	0.084 µg	4.7 µg/m³	3.8 ppb	2.8 µg/m³
F5A 281600878-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F6A 281600878-0019	Football Field by Water	18 L	0.066 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³
F7A 281600878-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F8A 281600878-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F9A 281600878-0022	Playground	18 L	0.068 µg	3.8 µg/m³	3.1 ppb	2.8 µg/m³
F10A 281600878-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F11A 281600878-0024	Entrance of Restaurant	18 L	0.085 µg	4.7 µg/m³	3.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 03/23/2016 14:15:17 Replaces initial report from:03/23/2016 14:14:47 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281600878
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/16/2016
Analyzed: 3/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281600878-0025	Close to Elevator	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F13A 281600878-0026	by Baseball Field Fence	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
FB1 281600878-0027	Field Blank	N/A	<0.050 µg		
FB2 281600878-0028	Field Blank	N/A	<0.050 µg		
FB3 281600878-0029	Field Blank	N/A	<0.050 µg		
FB4 281600878-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Report amended: 03/23/2016 14:15:17 Replaces initial report from:03/23/2016 14:14:47 Reason Code: ppb

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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600918
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/18/2016
Analyzed: 3/23/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600918-0001	139TH St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600918-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281600918-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600918-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281600918-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600918-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600918-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600918-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600918-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281600918-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600918-0011	Entrance of Restaruant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281600918-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/28/2016 13:23:55

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 3/18/2016
Analyzed: 3/23/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600918-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281600918-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281600918-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281600918-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281600918-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281600918-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281600918-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281600918-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281600918-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281600918-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281600918-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281600918-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 03/28/2016 13:23:55

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/18/2016
Analyzed: 3/23/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600918-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281600918-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600918-0027	Field Blank	N/A	<0.050 µg			
FB2 281600918-0028	Field Blank	N/A	<0.050 µg			
FB3 281600918-0029	Field Blank	N/A	<0.050 µg			
FB4 281600918-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 03/28/2016 13:23:55

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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600996
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/23/2016
Analyzed: 3/28/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281600996-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281600996-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281600996-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281600996-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281600996-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281600996-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281600996-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281600996-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281600996-0009	Playground	18 L	0.050 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F10 281600996-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281600996-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281600996-0012	Close to Elevator	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/30/2016 14:05:27

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281600996
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 3/23/2016
Analyzed: 3/28/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281600996-0013	by Baseball Field Fence	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F1A 281600996-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281600996-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281600996-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281600996-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281600996-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281600996-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281600996-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281600996-0021	Swimming Pool	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F9A 281600996-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281600996-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281600996-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/30/2016 14:05:27

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281600996
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/23/2016
Analyzed: 3/28/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281600996-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281600996-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281600996-0027	Field Blank	N/A	<0.050 µg			
FB2 281600996-0028	Field Blank	N/A	<0.050 µg			
FB3 281600996-0029	Field Blank	N/A	<0.050 µg			
FB4 281600996-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 03/30/2016 14:05:27

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601026
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/24/2016
Analyzed: 3/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601026-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601026-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601026-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601026-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601026-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601026-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601026-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601026-0008	Swimming Pool	18 L	0.077 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
F9 281601026-0009	Playground	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F10 281601026-0010	West of Stacks	18 L	0.081 µg	4.5 µg/m³ 3.7 ppb	2.8 µg/m³
F11 281601026-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601026-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 03/30/2016 14:47:59 Replaces initial report from:03/30/2016 14:47:22 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281601026
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
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New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/24/2016
Analyzed: 3/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601026-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601026-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601026-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601026-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601026-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601026-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601026-0019	Football Field by Water	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F7A 281601026-0020	Tennis Courts	18 L	0.072 µg	4.0 µg/m³ 3.3 ppb	2.8 µg/m³
F8A 281601026-0021	Swimming Pool	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F9A 281601026-0022	Playground	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F10A 281601026-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601026-0024	Entrance of Restaurant	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 03/30/2016 14:47:59 Replaces initial report from:03/30/2016 14:47:22 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281601026
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/24/2016
Analyzed: 3/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601026-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601026-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601026-0027	Field Blank	N/A	<0.050 µg			
FB2 281601026-0028	Field Blank	N/A	<0.050 µg			
FB3 281601026-0029	Field Blank	N/A	<0.050 µg			
FB4 281601026-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

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Report amended: 03/30/2016 14:47:59 Replaces initial report from:03/30/2016 14:47:22 Reason Code: ppb

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281601077
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 3/30/2016
Analyzed: 4/04/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601077-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601077-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601077-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601077-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601077-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601077-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601077-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601077-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601077-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601077-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601077-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601077-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/05/2016 10:38:15

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281601077
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/30/2016
Analyzed: 4/04/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601077-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601077-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601077-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601077-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601077-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601077-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601077-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601077-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601077-0021	Swimimng Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601077-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601077-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601077-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/05/2016 10:38:15

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281601077
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/30/2016
Analyzed: 4/04/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601077-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601077-0026	By Baseball Field Fence	18 L	0.075 µg	4.2 µg/m³	3.4 ppb	2.8 µg/m³
FB1 281601077-0027	Field Blank	N/A	<0.050 µg			
FB2 281601077-0028	Field Blank	N/A	<0.050 µg			
FB3 281601077-0029	Field Blank	N/A	<0.050 µg			
FB4 281601077-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/05/2016 10:38:15

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281601102
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/31/2016
Analyzed: 4/06/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601102-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601102-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601102-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601102-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601102-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601102-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601102-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601102-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601102-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601102-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601102-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601102-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/08/2016 17:02:44

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281601102
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 3/31/2016
Analyzed: 4/06/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281601102-0013	by Baseball Field Fence	18 L	0.054 µg	3.0 µg/m³	2.4 ppb	2.8 µg/m³
F1A 281601102-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F2A 281601102-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F3A 281601102-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F4A 281601102-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F5A 281601102-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F6A 281601102-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F7A 281601102-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F8A 281601102-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F9A 281601102-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F10A 281601102-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F11A 281601102-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/08/2016 17:02:44

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601102
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 3/31/2016
Analyzed: 4/06/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601102-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601102-0026	By Baseball Field Fence	18 L	0.15 µg	8.5 µg/m³	6.9 ppb	2.8 µg/m³
FB1 281601102-0027	Field Blank	N/A	<0.050 µg			
FB2 281601102-0028	Field Blank	N/A	<0.050 µg			
FB3 281601102-0029	Field Blank	N/A	<0.050 µg			
FB4 281601102-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/08/2016 17:02:44

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601166
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/05/2016
Analyzed: 4/08/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601166-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601166-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601166-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601166-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601166-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601166-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601166-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601166-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601166-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601166-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601166-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601166-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/12/2016 11:20:10

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281601166
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/05/2016
Analyzed: 4/08/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601166-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601166-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601166-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601166-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601166-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601166-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601166-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601166-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601166-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601166-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601166-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601166-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/12/2016 11:20:10

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601166
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/05/2016
Analyzed: 4/08/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281601166-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F13A 281601166-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
FB1 281601166-0027	Field Blank	N/A	<0.050 µg		
FB2 281601166-0028	Field Blank	N/A	<0.050 µg		
FB3 281601166-0029	Field Blank	N/A	<0.050 µg		
FB4 281601166-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/12/2016 11:20:10

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 - 3. Sample results are blank corrected.
 - 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281601185
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/06/2016
Analyzed: 4/08/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601185-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601185-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601185-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601185-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601185-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601185-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601185-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601185-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601185-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601185-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601185-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601185-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/12/2016 11:29:09

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601185
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/06/2016
Analyzed: 4/08/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601185-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601185-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601185-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601185-0016	144th St/Riverside	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601185-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601185-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601185-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601185-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601185-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601185-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601185-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601185-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/12/2016 11:29:09

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601185
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/06/2016
Analyzed: 4/08/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601185-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601185-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601185-0027	Field Blank	N/A	<0.050 µg			
FB2 281601185-0028	Field Blank	N/A	<0.050 µg			
FB3 281601185-0029	Field Blank	N/A	<0.050 µg			
FB4 281601185-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Caroline Frank

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/12/2016 11:29:09

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601283
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/13/2016
Analyzed: 4/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601283-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601283-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601283-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601283-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601283-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601283-0006	Football Field by Water	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F7 281601283-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601283-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601283-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601283-0010	West of Stacks	18.2 L	<0.050 µg	<2.7 µg/m³ <2.2 ppb	2.7 µg/m³
F11 281601283-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601283-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/20/2016 15:18:47

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/13/2016
Analyzed: 4/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601283-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601283-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601283-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601283-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601283-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601283-0018	Entrance of Admin	18 L	0.071 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F6A 281601283-0019	Football Field by Water	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F7A 281601283-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601283-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601283-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601283-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601283-0024	Entrance of Restaurant	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/20/2016 15:18:47

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601283
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/13/2016
Analyzed: 4/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601283-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601283-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601283-0027	Field Blank	N/A	<0.050 µg			
FB2 281601283-0028	Field Blank	N/A	<0.050 µg			
FB3 281601283-0029	Field Blank	N/A	<0.050 µg			
FB4 281601283-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/20/2016 15:18:47

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601304
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/14/2016
Analyzed: 4/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601304-0001	139th St/Riverside Dr	18 L	0.074 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F2 281601304-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601304-0003	144th St/Riverside Dr	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F4 281601304-0004	AQM5	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
F5 281601304-0005	Entrance of Admin	18 L	0.081 µg	4.5 µg/m³ 3.7 ppb	2.8 µg/m³
F6 281601304-0006	Football Field by Water	18 L	0.068 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F7 281601304-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601304-0008	Swimming Pool	18 L	0.068 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F9 281601304-0009	Playground	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
F10 281601304-0010	West of Stacks	18 L	0.078 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
F11 281601304-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601304-0012	Close to Elevator	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/22/2016 11:40:47

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Fax:
Collected:
Received: 4/14/2016
Analyzed: 4/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281601304-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F1A 281601304-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F2A 281601304-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F3A 281601304-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F4A 281601304-0017	AQM5	18 L	0.052 µg	2.9 µg/m³	2.4 ppb	2.8 µg/m³
F5A 281601304-0018	Entrance of Admin	18 L	0.060 µg	3.3 µg/m³	2.7 ppb	2.8 µg/m³
F6A 281601304-0019	Football Field by Water	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F7A 281601304-0020	Tennis Courts	18 L	0.066 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³
F8A 281601304-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F9A 281601304-0022	Playground	18 L	0.079 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
F10A 281601304-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F11A 281601304-0024	Entrance of Restaurant	18 L	0.077 µg	4.3 µg/m³	3.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 04/22/2016 11:40:47

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Received: 4/14/2016
Analyzed: 4/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601304-0025	Close to Elevator	18 L	0.066 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³
F13A 281601304-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601304-0027	Field Blank	N/A	<0.050 µg			
FB2 281601304-0028	Field Blank	N/A	<0.050 µg			
FB3 281601304-0029	Field Blank	N/A	<0.050 µg			
FB4 281601304-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 04/22/2016 11:40:47

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 2. These results relate only to the samples tested.
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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281601409
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/20/2016
Analyzed: 4/26/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601409-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601409-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601409-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601409-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601409-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601409-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601409-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601409-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601409-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601409-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601409-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601409-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/28/2016 10:19:51

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281601409
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Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 4/20/2016
Analyzed: 4/26/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601409-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601409-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601409-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601409-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601409-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601409-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601409-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601409-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601409-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601409-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601409-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601409-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/28/2016 10:19:51

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281601409
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/20/2016
Analyzed: 4/26/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601409-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601409-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601409-0027	Field Blank	N/A	<0.050 µg			
FB2 281601409-0028	Field Blank	N/A	<0.050 µg			
FB3 281601409-0029	Field Blank	N/A	<0.050 µg			
FB4 281601409-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 04/28/2016 10:19:51

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 2. These results relate only to the samples tested.
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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601430
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/21/2016
Analyzed: 4/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601430-0001	139th St/ Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601430-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601430-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601430-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601430-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601430-0006	Football Field by Water	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F7 281601430-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601430-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601430-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601430-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601430-0011	Entrance of Restaurant	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F12 281601430-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 05/02/2016 08:56:20 Replaces initial report from: 04/29/2016 16:58:38 Reason Code: needed ppb format

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Analyzed: 4/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281601430-0013	By Baseball Field Fence	18 L	0.15 µg	8.3 µg/m³	6.7 ppb	2.8 µg/m³
F1A 281601430-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F2A 281601430-0015	142nd St/Riverside	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F3A 281601430-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F4A 281601430-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F5A 281601430-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F6A 281601430-0019	Football Field by Water	18 L	0.10 µg	5.7 µg/m³	4.6 ppb	2.8 µg/m³
F7A 281601430-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F8A 281601430-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F9A 281601430-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F10A 281601430-0023	West of Stacks	18.6 L	<0.050 µg	<2.7 µg/m³	<2.2 ppb	2.7 µg/m³
F11A 281601430-0024	Entrance of Restaruant	18 L	0.066 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 05/02/2016 08:56:20 Replaces initial report from:04/29/2016 16:58:38 Reason Code: needed ppb format

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Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601430-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601430-0026	By Baseball Field Fence	18 L	0.074 µg	4.1 µg/m³	3.3 ppb	2.8 µg/m³
FB1 281601430-0027	Field Blank	N/A	<0.050 µg			
FB2 281601430-0028	Field Blank	N/A	<0.050 µg			
FB3 281601430-0029	Field Blank	N/A	<0.050 µg			
FB4 281601430-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 05/02/2016 08:56:20 Replaces initial report from:04/29/2016 16:58:38 Reason Code: needed ppb format

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601497
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 4/27/2016
Analyzed: 5/03/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601497-0001	139th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601497-0002	142nd St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601497-0003	144th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601497-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601497-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601497-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601497-0007	Tennis Courts	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F8 281601497-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601497-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601497-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601497-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601497-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/05/2016 13:27:24

1. Samples were received in acceptable condition unless otherwise noted.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Analyzed: 5/03/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601497-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601497-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601497-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601497-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601497-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601497-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601497-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601497-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601497-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601497-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601497-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601497-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601497-0025	Close to Elevator	18 L	0.060 µg	3.3 µg/m³	2.7 ppb	2.8 µg/m³
F13A 281601497-0026	By Baseball Field Fence	18 L	0.079 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
FB1 281601497-0027	Field Blank	N/A	<0.050 µg			
FB2 281601497-0028	Field Blank	N/A	<0.050 µg			
FB3 281601497-0029	Field Blank	N/A	<0.050 µg			
FB4 281601497-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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EMSL Order ID: 281601528
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 4/28/2016
Analyzed: 5/05/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601528-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F2 281601528-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F3 281601528-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F4 281601528-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F5 281601528-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F6 281601528-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F7 281601528-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F8 281601528-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F9 281601528-0009	Playground	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F10 281601528-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F11 281601528-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³
F12 281601528-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m ³ <2.3 ppb	2.8 µg/m ³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/06/2016 13:36:39

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 4/28/2016
Analyzed: 5/05/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601528-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601528-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601528-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601528-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601528-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601528-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601528-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601528-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601528-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601528-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601528-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601528-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

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Received: 4/28/2016
Analyzed: 5/05/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601528-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601528-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601528-0027	Field Blank	N/A	<0.050 µg			
FB2 281601528-0028	Field Blank	N/A	<0.050 µg			
FB3 281601528-0029	Field Blank	N/A	<0.050 µg			
FB4 281601528-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

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EMSL Order ID: 281601592
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 5/04/2016
Analyzed: 5/09/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601592-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601592-0002	142nd St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601592-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601592-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601592-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601592-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601592-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601592-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601592-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601592-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601592-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601592-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

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Initial report from: 05/11/2016 16:33:53

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F13 281601592-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
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F2A 281601592-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F3A 281601592-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F4A 281601592-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F5A 281601592-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F6A 281601592-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F7A 281601592-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F8A 281601592-0021	Swimming Pool	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
F9A 281601592-0022	Playground	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F10A 281601592-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F11A 281601592-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

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Scott Van Etten, CIH, Laboratory Manager

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Fax:
Collected:
Received: 5/04/2016
Analyzed: 5/09/2016
Proj: 2001285.05.02

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Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
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F13A 281601592-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
FB1 281601592-0027	Field Blank	N/A	<0.050 µg		
FB2 281601592-0028	Field Blank	N/A	<0.050 µg		
FB3 281601592-0029	Field Blank	N/A	<0.050 µg		
FB4 281601592-0030	Field Blank	N/A	<0.050 µg		

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Analyst(s)
Alicia Shafer

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200 Route 130 North Cinnaminson, NJ 08077
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<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601601
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 5/05/2016
Analyzed: 5/12/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601601-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601601-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
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F4 281601601-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601601-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601601-0006	Football Fields by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601601-0007	Tennis Courts	18 L	0.055 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F8 281601601-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601601-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601601-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601601-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601601-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/13/2016 16:24:06

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601601
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 5/05/2016
Analyzed: 5/12/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601601-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601601-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601601-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601601-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601601-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601601-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601601-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601601-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601601-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601601-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601601-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601601-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/05/2016
Analyzed: 5/12/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601601-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601601-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601601-0027	Blank		<0.050 µg			
FB2 281601601-0028	Blank		<0.050 µg			
FB3 281601601-0029	Blank		<0.050 µg			
FB4 281601601-0030	Blank		<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 05/13/2016 16:24:06

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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281601690
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 5/11/2016
Analyzed: 5/16/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601690-0001	139th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601690-0002	142nd St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601690-0003	144th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601690-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601690-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601690-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601690-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601690-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601690-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601690-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601690-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601690-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/18/2016 11:24:26

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Received: 5/11/2016
Analyzed: 5/16/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601690-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601690-0014	139th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601690-0015	142nd St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601690-0016	144th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601690-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601690-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601690-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601690-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601690-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601690-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601690-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601690-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 05/18/2016 11:24:26

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 5/11/2016
Analyzed: 5/16/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601690-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601690-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601690-0027	Field Blank	N/A	<0.050 µg			
FB2 281601690-0028	Field Blank	N/A	<0.050 µg			
FB3 281601690-0029	Field Blank	N/A	<0.050 µg			
FB4 281601690-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 05/18/2016 11:24:26

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EMSL Order ID: 281601719
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/12/2016
Analyzed: 5/19/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601719-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601719-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601719-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601719-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601719-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601719-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601719-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601719-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601719-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601719-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601719-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601719-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/20/2016 15:52:50

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3. Sample results are blank corrected.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601719-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601719-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601719-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601719-0016	144th St/Riverside	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601719-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601719-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601719-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601719-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601719-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601719-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601719-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601719-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 05/20/2016 15:52:50

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Fax:
Collected:
Received: 5/12/2016
Analyzed: 5/19/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601719-0025	Close to Elevator	18 L	0.063 µg	3.5 µg/m³	2.8 ppb	2.8 µg/m³
F13A 281601719-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601719-0027	N/A		<0.050 µg			
FB2 281601719-0028	N/A		<0.050 µg			
FB3 281601719-0029	N/A		<0.050 µg			
FB4 281601719-0030	N/A		<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281601793
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/18/2016
Analyzed: 5/23/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601793-0001	139th St/Riverside Dr	18 L	0.052 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F2 281601793-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601793-0003	144th St/Riverside Dr	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F4 281601793-0004	AQM5	18 L	0.055 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F5 281601793-0005	Entrance of Admin	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F6 281601793-0006	Football Field by Water	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F7 281601793-0007	Tennis Courts	18 L	0.058 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F8 281601793-0008	Swimming Pool	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F9 281601793-0009	Playground	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F10 281601793-0010	West of Stacks	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F11 281601793-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601793-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/24/2016 15:54:37

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Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/18/2016
Analyzed: 5/23/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601793-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F1A 281601793-0014	139th St/Riverside Dr	18 L	0.069 µg	3.8 µg/m³	3.1 ppb 2.8 µg/m³
F2A 281601793-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F3A 281601793-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F4A 281601793-0017	AQM5	18 L	0.054 µg	3.0 µg/m³	2.4 ppb 2.8 µg/m³
F5A 281601793-0018	Entrance of Admin	18 L	0.066 µg	3.7 µg/m³	3.0 ppb 2.8 µg/m³
F6A 281601793-0019	Football Field by Water	18 L	0.060 µg	3.3 µg/m³	2.7 ppb 2.8 µg/m³
F7A 281601793-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F8A 281601793-0021	Swimming Pool	18 L	0.074 µg	4.1 µg/m³	3.3 ppb 2.8 µg/m³
F9A 281601793-0022	Playground	18 L	0.076 µg	4.2 µg/m³	3.4 ppb 2.8 µg/m³
F10A 281601793-0023	West of Stacks	18 L	0.072 µg	4.0 µg/m³	3.3 ppb 2.8 µg/m³
F11A 281601793-0024	Entrance of Restaurant	18 L	0.051 µg	2.8 µg/m³	2.3 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/24/2016 15:54:37

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601793
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/18/2016
Analyzed: 5/23/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601793-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601793-0026	Field Blank	N/A	0.060 µg	N/A	N/A	N/A
FB1 281601793-0027	Field Blank	N/A	0.055 µg			
FB2 281601793-0028	Field Blank	N/A	0.052 µg			
FB3 281601793-0029	Field Blank	N/A	0.073 µg			
FB4 281601793-0030	Field Blank	N/A	0.055 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 05/24/2016 15:54:37

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601801
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/19/2016
Analyzed: 5/25/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601801-0001	139th St/Riverside Dr	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F2 281601801-0002	142nd St/Riverside Dr	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F3 281601801-0003	144th St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³ 5.5 ppb	2.8 µg/m³
F4 281601801-0004	AQM5	18 L	0.12 µg	6.4 µg/m³ 5.2 ppb	2.8 µg/m³
F5 281601801-0005	Entrance of Admin	18 L	0.11 µg	6.1 µg/m³ 4.9 ppb	2.8 µg/m³
F6 281601801-0006	Football Field by Water	18 L	0.11 µg	6.3 µg/m³ 5.1 ppb	2.8 µg/m³
F7 281601801-0007	Tennis Courts	18 L	0.11 µg	5.9 µg/m³ 4.8 ppb	2.8 µg/m³
F8 281601801-0008	Swimming Pool	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F9 281601801-0009	Playground	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F10 281601801-0010	West of Stacks	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F11 281601801-0011	Entrance of Restaurant	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F12 281601801-0012	Close to Elevator	18 L	0.11 µg	6.3 µg/m³ 5.1 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 05/26/2016 16:53:24 Replaces initial report from:05/26/2016 16:43:43 Reason Code: Data Entry-Results Changed

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281601801
Customer ID: LBAP78
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Project ID:

Attn: Rhine Almonacy
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New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/19/2016
Analyzed: 5/25/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281601801-0013	By Baseball Field Fence	18 L	0.085 µg	4.7 µg/m³	3.8 ppb	2.8 µg/m³
F1A 281601801-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F2A 281601801-0015	142nd St/Riverside Dr	18 L	0.11 µg	5.9 µg/m³	4.8 ppb	2.8 µg/m³
F3A 281601801-0016	144th St/Riverside Dr	18 L	0.083 µg	4.6 µg/m³	3.8 ppb	2.8 µg/m³
F4A 281601801-0017	AQM5	18 L	0.080 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
F5A 281601801-0018	Entrance of Admin	18 L	0.10 µg	5.8 µg/m³	4.7 ppb	2.8 µg/m³
F6A 281601801-0019	Football Field by Water	18 L	0.086 µg	4.8 µg/m³	3.9 ppb	2.8 µg/m³
F7A 281601801-0020	Tennis Courts	18 L	0.089 µg	4.9 µg/m³	4.0 ppb	2.8 µg/m³
F8A 281601801-0021	Swimming Pool	18 L	0.11 µg	5.9 µg/m³	4.8 ppb	2.8 µg/m³
F9A 281601801-0022	Playground	18 L	0.10 µg	5.8 µg/m³	4.7 ppb	2.8 µg/m³
F10A 281601801-0023	West of Stacks	18 L	0.11 µg	6.3 µg/m³	5.1 ppb	2.8 µg/m³
F11A 281601801-0024	Entrance of Restaurant	18 L	0.11 µg	6.1 µg/m³	4.9 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 05/26/2016 16:53:24 Replaces initial report from:05/26/2016 16:43:43 Reason Code: Data Entry-Results Changed

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601801
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/19/2016
Analyzed: 5/25/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601801-0025	Close to Elevator	18 L	0.12 µg	6.4 µg/m³	5.2 ppb	2.8 µg/m³
F13A 281601801-0026	By Baseball Field Fence	18 L	0.070 µg	3.9 µg/m³	3.2 ppb	2.8 µg/m³
FB1 281601801-0027	Field Blank	N/A	0.091 µg			
FB2 281601801-0028	Field Blank	N/A	0.057 µg			
FB3 281601801-0029	Field Blank	N/A	0.098 µg			
FB4 281601801-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 05/26/2016 16:53:24 Replaces initial report from:05/26/2016 16:43:43 Reason Code: Data Entry-Results Changed

1. Samples were received in acceptable condition unless otherwise noted.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601851
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/25/2016
Analyzed: 5/31/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601851-0001	139th St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F2 281601851-0002	142nd St/Riverside Dr	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F3 281601851-0003	144th St/Riverside Dr	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F4 281601851-0004	AQM5	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F5 281601851-0005	Entrance of Admin	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F6 281601851-0006	Football Field by Water	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F7 281601851-0007	Tennis Courts	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F8 281601851-0008	Swimming Pool	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F9 281601851-0009	Playground	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F10 281601851-0010	West of Stacks	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F11 281601851-0011	Entrance of Restaurant	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F12 281601851-0012	Close to Elevator	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/01/2016 15:15:52

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281601851
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Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/25/2016
Analyzed: 5/31/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281601851-0013	By Baseball Field Fence	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F1A 281601851-0014	139th St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
F2A 281601851-0015	142nd St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F3A 281601851-0016	144th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F4A 281601851-0017	AQM5	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F5A 281601851-0018	Entrance of Admin	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F6A 281601851-0019	Football Field by Water	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F7A 281601851-0020	Tennis Courts	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F8A 281601851-0021	Swimming Pool	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F9A 281601851-0022	Playground	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F10A 281601851-0023	West of Stacks	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F11A 281601851-0024	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/01/2016 15:15:52

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281601851
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/25/2016
Analyzed: 5/31/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281601851-0025	Close to Elevator	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F13A 281601851-0026	By Baseball Field Fence	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
FB1 281601851-0027	Field Blank	N/A	0.070 µg		
FB2 281601851-0028	Field Blank	N/A	<0.050 µg		
FB3 281601851-0029	Field Blank	N/A	0.055 µg		
FB4 281601851-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/01/2016 15:15:52

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 2. These results relate only to the samples tested.
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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281601878
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/26/2016
Analyzed: 6/02/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601878-0001	139th St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F2 281601878-0002	142nd St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F3 281601878-0003	144th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F4 281601878-0004	AQM5	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F5 281601878-0005	Entrance of Admin	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F6 281601878-0006	Football Field by Water	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F7 281601878-0007	Tennis Courts	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F8 281601878-0008	Swimming Pool	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F9 281601878-0009	Playground	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F10 281601878-0010	West of Stacks	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F11 281601878-0011	Entrance of Restaurant	18 L	0.052 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F12 281601878-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 06/06/2016 15:47:07 Replaces initial report from:06/06/2016 15:46:26 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 5/26/2016
Analyzed: 6/02/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601878-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F1A 281601878-0014	139th St/Riverside Dr	18 L	0.079 µg	4.4 µg/m³	3.6 ppb 2.8 µg/m³
F2A 281601878-0015	142nd St/Riverside Dr	18 L	0.073 µg	4.1 µg/m³	3.3 ppb 2.8 µg/m³
F3A 281601878-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F4A 281601878-0017	AQM5	18 L	0.073 µg	4.1 µg/m³	3.3 ppb 2.8 µg/m³
F5A 281601878-0018	Entrance of Admin	18 L	0.061 µg	3.4 µg/m³	2.8 ppb 2.8 µg/m³
F6A 281601878-0019	Football Field by Water	18 L	0.12 µg	6.7 µg/m³	5.4 ppb 2.8 µg/m³
F7A 281601878-0020	Tennis Courts	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³
F8A 281601878-0021	Swimming Pool	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³
F9A 281601878-0022	Playground	18 L	0.083 µg	4.6 µg/m³	3.8 ppb 2.8 µg/m³
F10A 281601878-0023	West of Stacks	18 L	0.12 µg	6.7 µg/m³	5.4 ppb 2.8 µg/m³
F11A 281601878-0024	Entrance of Restaurant	18 L	0.16 µg	8.9 µg/m³	7.2 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 06/06/2016 15:47:07 Replaces initial report from:06/06/2016 15:46:26 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281601878
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 5/26/2016
Analyzed: 6/02/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601878-0025	Close to Elevator	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F13A 281601878-0026	By Baseball Field Fence	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
FB1 281601878-0027	Field Blank	N/A	<0.050 µg			
FB2 281601878-0028	Field Blank	N/A	<0.050 µg			
FB3 281601878-0029	Field Blank	N/A	<0.050 µg			
FB4 281601878-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 06/06/2016 15:47:07 Replaces initial report from:06/06/2016 15:46:26 Reason Code: ppb

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EMSL Order ID: 281601927
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 6/01/2016
Analyzed: 6/08/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601927-0001	139th St/Riverside Dr	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F2 281601927-0002	142nd St/Riverside Dr	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F3 281601927-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601927-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601927-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601927-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601927-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601927-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601927-0009	Playground	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F10 281601927-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601927-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601927-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Report amended: 06/09/2016 13:44:32 Replaces initial report from:06/09/2016 13:44:02 Reason Code: ppb

1. Samples were received in acceptable condition unless otherwise noted.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Fax:
Collected:
Received: 6/01/2016
Analyzed: 6/08/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281601927-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F1A 281601927-0014	139th St/Riverside Dr	18 L	0.098 µg	5.4 µg/m³	4.4 ppb	2.8 µg/m³
F2A 281601927-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F3A 281601927-0016	144th St/Riverside Dr	18 L	0.060 µg	3.3 µg/m³	2.7 ppb	2.8 µg/m³
F4A 281601927-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F5A 281601927-0018	Entrance of Admin	18 L	0.057 µg	3.2 µg/m³	2.6 ppb	2.8 µg/m³
F6A 281601927-0019	Football Field by Water	18 L	0.058 µg	3.2 µg/m³	2.6 ppb	2.8 µg/m³
F7A 281601927-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F8A 281601927-0021	Swimming Pool	18 L	0.18 µg	10 µg/m³	8.1 ppb	2.8 µg/m³
F9A 281601927-0022	Playground	18 L	0.085 µg	4.7 µg/m³	3.8 ppb	2.8 µg/m³
F10A 281601927-0023	West of Stacks	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F11A 281601927-0024	Entrance of Restaurant	18 L	0.066 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Report amended: 06/09/2016 13:44:32 Replaces initial report from:06/09/2016 13:44:02 Reason Code: ppb

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New York, NY 10005

Phone: (212) 612-7900
Fax:
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Received: 6/01/2016
Analyzed: 6/08/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601927-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601927-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601927-0027	Field Blank	N/A	<0.050 µg			
FB2 281601927-0028	Field Blank	N/A	<0.050 µg			
FB3 281601927-0029	Field Blank	N/A	<0.050 µg			
FB4 281601927-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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EMSL Order ID: 281601941
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/02/2016
Analyzed: 6/09/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601941-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601941-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281601941-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281601941-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601941-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281601941-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601941-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601941-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601941-0009	Playground	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F10 281601941-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281601941-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601941-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 06/10/2016 11:54:34

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3. Sample results are blank corrected.
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48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 6/02/2016
Analyzed: 6/09/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601941-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601941-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601941-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601941-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601941-0017	AQM5	18 L	0.055 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F5A 281601941-0018	Entrance of Admin	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F6A 281601941-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601941-0020	Tennis Courts	18 L	0.089 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F8A 281601941-0021	Swimming Pool	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F9A 281601941-0022	Playground	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F10A 281601941-0023	West of Stacks	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F11A 281601941-0024	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Collected:
Received: 6/02/2016
Analyzed: 6/09/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601941-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281601941-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601941-0027	Field Blank	N/A	<0.050 µg			
FB2 281601941-0028	Field Blank	N/A	<0.050 µg			
FB3 281601941-0029	Field Blank	N/A	<0.050 µg			
FB4 281601941-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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EMSL Order ID: 281601998
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected: 6/7/2016 12:00:00AM
Received: 6/08/2016
Analyzed: 6/14/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281601998-0001	139th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281601998-0002	142nd St/Riverside Dr.	18 L	0.055 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F3 281601998-0003	144th St/Riverside Dr.	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³
F4 281601998-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281601998-0005	Entrance of Admin	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
F6 281601998-0006	Foorball Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281601998-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281601998-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281601998-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281601998-0010	West of Stacks	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F11 281601998-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281601998-0012	Close to Elevator	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/15/2016 12:58:31

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Phone: (212) 612-7900
Fax:
Collected: 6/7/2016 12:00:00AM
Received: 6/08/2016
Analyzed: 6/14/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281601998-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281601998-0014	139th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281601998-0015	142nd St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281601998-0016	144th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281601998-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281601998-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281601998-0019	Foorball Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281601998-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281601998-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281601998-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281601998-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281601998-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/15/2016 12:58:31

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Phone: (212) 612-7900
Fax:
Collected: 6/7/2016 12:00:00AM
Received: 6/08/2016
Analyzed: 6/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281601998-0025	Close to Elevator	18 L	0.054 µg	3.0 µg/m³	2.4 ppb	2.8 µg/m³
F13A 281601998-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281601998-0027	Field Blank	N/A	<0.050 µg			
FB2 281601998-0028	Field Blank	N/A	<0.050 µg			
FB3 281601998-0029	Field Blank	N/A	<0.050 µg			
FB4 281601998-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/15/2016 12:58:31

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602059
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/09/2016
Analyzed: 6/15/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602059-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281602059-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281602059-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281602059-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281602059-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281602059-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281602059-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281602059-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281602059-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281602059-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281602059-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281602059-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 06/16/2016 16:58:33 Replaces initial report from:06/16/2016 16:57:58 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 6/09/2016
Analyzed: 6/15/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602059-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281602059-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281602059-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281602059-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281602059-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281602059-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281602059-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281602059-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281602059-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281602059-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281602059-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281602059-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 06/16/2016 16:58:33 Replaces initial report from:06/16/2016 16:57:58 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602059
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/09/2016
Analyzed: 6/15/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602059-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281602059-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281602059-0027	Field Blank	N/A	<0.050 µg			
FB2 281602059-0028	Field Blank	N/A	<0.050 µg			
FB3 281602059-0029	Field Blank	N/A	<0.050 µg			
FB4 281602059-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 06/16/2016 16:58:33 Replaces initial report from:06/16/2016 16:57:58 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
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 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602090
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/14/2016
Analyzed: 6/20/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602090-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281602090-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281602090-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281602090-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281602090-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281602090-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281602090-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281602090-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281602090-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281602090-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281602090-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281602090-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/21/2016 12:53:51

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602090
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/14/2016
Analyzed: 6/20/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602090-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281602090-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281602090-0015	142nd St/Riverside Dr	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
F3A 281602090-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281602090-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281602090-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281602090-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281602090-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281602090-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281602090-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281602090-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281602090-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/21/2016 12:53:51

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602090
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/14/2016
Analyzed: 6/20/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602090-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281602090-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281602090-0027	Field Blank	N/A	<0.050 µg			
FB2 281602090-0028	Field Blank	N/A	<0.050 µg			
FB3 281602090-0029	Field Blank	N/A	<0.050 µg			
FB4 281602090-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/21/2016 12:53:51

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 2. These results relate only to the samples tested.
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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281602098
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/15/2016
Analyzed: 6/22/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602098-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281602098-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281602098-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281602098-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281602098-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281602098-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281602098-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281602098-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281602098-0009	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10 281602098-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281602098-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281602098-0012	Northeast Corner of the Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/23/2016 14:28:33

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281602098
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 6/15/2016
Analyzed: 6/22/2016

Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602098-0013	In the Middle of the Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281602098-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281602098-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281602098-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281602098-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281602098-0018	Entrance of Admin	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F6A 281602098-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281602098-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281602098-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281602098-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281602098-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281602098-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/23/2016 14:28:33

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602098
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/15/2016
Analyzed: 6/22/2016
Proj:

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602098-0025	Northeast Corner of the Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281602098-0026	In the Middle of the Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281602098-0027	Field Blank	N/A	<0.050 µg			
FB2 281602098-0028	Field Blank	N/A	<0.050 µg			
FB3 281602098-0029	Field Blank	N/A	<0.050 µg			
FB4 281602098-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/23/2016 14:28:33

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602165
Customer ID: LBAP78
Customer PO: 2001.285.05.02
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/21/2016
Analyzed: 6/27/2016
Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602165-0001	139th St/Riverside Dr	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F2 281602165-0002	142nd St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F3 281602165-0003	144th St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F4 281602165-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281602165-0005	Entrance of Admin	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F6 281602165-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281602165-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281602165-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281602165-0009	Playground	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F10 281602165-0010	West of Stacks	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F11 281602165-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281602165-0012	Northeast corner of the Elevator	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/29/2016 14:36:23

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602165
Customer ID: LBAP78
Customer PO: 2001.285.05.02
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 6/21/2016
Analyzed: 6/27/2016

Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602165-0013	In the middle of the Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F1A 281602165-0014	139th St/Riverside Dr	18 L	0.074 µg	4.1 µg/m³	3.3 ppb 2.8 µg/m³
F2A 281602165-0015	142nd St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³	6.3 ppb 2.8 µg/m³
F3A 281602165-0016	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³
F4A 281602165-0017	AQM5	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³
F5A 281602165-0018	Entrance of Admin	18 L	0.14 µg	7.8 µg/m³	6.3 ppb 2.8 µg/m³
F6A 281602165-0019	Football Field by Water	18 L	0.092 µg	5.1 µg/m³	4.2 ppb 2.8 µg/m³
F7A 281602165-0020	Tennis Courts	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³
F8A 281602165-0021	Swimming Pool	18 L	0.13 µg	7.2 µg/m³	5.9 ppb 2.8 µg/m³
F9A 281602165-0022	Playground	18 L	0.12 µg	6.7 µg/m³	5.4 ppb 2.8 µg/m³
F10A 281602165-0023	West of Stacks	18 L	0.13 µg	7.2 µg/m³	5.9 ppb 2.8 µg/m³
F11A 281602165-0024	Entrance of Restaurant	18 L	0.058 µg	3.2 µg/m³	2.6 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 06/29/2016 14:36:23

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602165
Customer ID: LBAP78
Customer PO: 2001.285.05.02
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/21/2016
Analyzed: 6/27/2016
Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602165-0025	Northeast corner of the Elevator	18 L	0.089 µg	4.9 µg/m³	4.0 ppb	2.8 µg/m³
F13A 281602165-0026	In the middle of the Fence	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
FB1 281602165-0027	Field Blank	N/A	<0.050 µg			
FB2 281602165-0028	Field Blank	N/A	<0.050 µg			
FB3 281602165-0029	Field Blank	N/A	<0.050 µg			
FB4 281602165-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/29/2016 14:36:23

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281602179
Customer ID: LBAP78
Customer PO: 2001.285.05.02
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/22/2016
Analyzed: 6/29/2016
Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602179-0001	139th St/Riverside Dr	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F2 281602179-0002	142nd St/Riverside Dr	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F3 281602179-0003	144th St/Riverside Dr	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F4 281602179-0004	AQM5	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F5 281602179-0005	Entrance of Admin	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F6 281602179-0006	Football Field by Water	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F7 281602179-0007	Tennis Courts	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F8 281602179-0008	Swimming Pool	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F9 281602179-0009	Playground	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F10 281602179-0010	West of Stacks	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F11 281602179-0011	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F12 281602179-0012	Northeast Corner of the Elevator	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/30/2016 12:08:51

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602179
Customer ID: LBAP78
Customer PO: 2001.285.05.02
Project ID:

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Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 6/22/2016
Analyzed: 6/29/2016

Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602179-0013	In the Middle of the Park	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F1A 281602179-0014	139th St/Riverside Dr.	18 L	0.058 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F2A 281602179-0015	142nd St/Riverside Dr	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F3A 281602179-0016	144th St/Riverside Dr	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F4A 281602179-0017	AQM5	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F5A 281602179-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281602179-0019	Football Field by Water	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F7A 281602179-0020	Tennis Courts	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F8A 281602179-0021	Swimming Pool	18 L	0.070 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F9A 281602179-0022	Playground	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F10A 281602179-0023	West of Stacks	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F11A 281602179-0024	Entrance of Restaurant	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/30/2016 12:08:51

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602179
Customer ID: LBAP78
Customer PO: 2001.285.05.02
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/22/2016
Analyzed: 6/29/2016
Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281602179-0025	Northeast Corner of the Elevator	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F13A 281602179-0026	In the Middle of the Park	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
FB1 281602179-0027	Field Blank	N/A	<0.050 µg		
FB2 281602179-0028	Field Blank	N/A	<0.050 µg		
FB3 281602179-0029	Field Blank	N/A	<0.050 µg		
FB4 281602179-0030	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 06/30/2016 12:08:51

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 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281602215
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/27/2016
Analyzed: 7/01/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602215-0001	139th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F2 281602215-0002	142nd St/Riverside Dr	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F3 281602215-0003	144th St/Riverside Dr	18 L	0.085 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F4 281602215-0004	AQM5	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F5 281602215-0005	Entrance of Admin	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F6 281602215-0006	Football Field by Water	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F7 281602215-0007	Tennis Courts	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F8 281602215-0008	Swimming Pool	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F9 281602215-0009	Playground	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F10 281602215-0010	West of Stacks	18 L	0.077 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
F11 281602215-0011	Entrance of Restaurant	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F12 281602215-0012	Close to Elevator	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 07/05/2016 15:32:50 Replaces initial report from:07/05/2016 15:32:19 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281602215
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/27/2016
Analyzed: 7/01/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281602215-0013	By Baseball Field Fence	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F1A 281602215-0014	139th St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
F2A 281602215-0015	142nd St/Riverside Dr	18 L	0.079 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
F3A 281602215-0016	144th St/Riverside Dr	18 L	0.089 µg	4.9 µg/m³	4.0 ppb	2.8 µg/m³
F4A 281602215-0017	AQM5	18 L	0.12 µg	6.8 µg/m³	5.5 ppb	2.8 µg/m³
F5A 281602215-0018	Entrance of Admin	18 L	0.076 µg	4.2 µg/m³	3.4 ppb	2.8 µg/m³
F6A 281602215-0019	Football Field by Water	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F7A 281602215-0020	Tennis Courts	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
F8A 281602215-0021	Swimming Pool	18 L	0.051 µg	2.8 µg/m³	2.3 ppb	2.8 µg/m³
F9A 281602215-0022	Playground	18 L	0.063 µg	3.5 µg/m³	2.8 ppb	2.8 µg/m³
F10A 281602215-0023	West of Stacks	18 L	0.067 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³
F11A 281602215-0024	Entrance of Restaurant	18 L	0.085 µg	4.7 µg/m³	3.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 07/05/2016 15:32:50 Replaces initial report from:07/05/2016 15:32:19 Reason Code: ppb format

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/27/2016
Analyzed: 7/01/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602215-0025	Close to Elevator	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F13A 281602215-0026	By Baseball Field Fence	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
FB1 281602215-0027	Field Blank	N/A	<0.050 µg			
FB2 281602215-0028	Field Blank	N/A	<0.050 µg			
FB3 281602215-0029	Field Blank	N/A	<0.050 µg			
FB4 281602215-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 07/05/2016 15:32:50 Replaces initial report from:07/05/2016 15:32:19 Reason Code: ppb format

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281602245
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/28/2016
Analyzed: 7/06/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602245-0001	139th St/Riverside Dr	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F2 281602245-0002	142nd St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F3 281602245-0003	144th St/Riverside Dr	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F4 281602245-0004	AQM5	18 L	0.052 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F5 281602245-0005	Entrance of Admin	18 L	0.086 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F6 281602245-0006	Football Field by Water	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F7 281602245-0007	Tennis Courts	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F8 281602245-0008	Swimming Pool	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F9 281602245-0009	Playground	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F10 281602245-0010	West of Stacks	18 L	0.083 µg	4.6 µg/m³ 3.8 ppb	2.8 µg/m³
F11 281602245-0011	Entrance of Restaurant	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F12 281602245-0012	Close to Elevator	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/07/2016 14:26:53

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602245
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/28/2016
Analyzed: 7/06/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602245-0013	By Baseball Field Fence	18 L	0.082 µg	4.6 µg/m ³ 3.7 ppb	2.8 µg/m ³
F1A 281602245-0014	139th St/Riverside Dr	18 L	0.10 µg	5.6 µg/m ³ 4.5 ppb	2.8 µg/m ³
F2A 281602245-0015	142nd St/Riverside Dr	18 L	0.073 µg	4.1 µg/m ³ 3.3 ppb	2.8 µg/m ³
F3A 281602245-0016	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m ³ 5.0 ppb	2.8 µg/m ³
F4A 281602245-0017	AQM5	18 L	0.13 µg	7.2 µg/m ³ 5.9 ppb	2.8 µg/m ³
F5A 281602245-0018	Entrance of Admin	18 L	0.13 µg	7.2 µg/m ³ 5.9 ppb	2.8 µg/m ³
F6A 281602245-0019	Foorball Field by Water	18 L	0.10 µg	5.6 µg/m ³ 4.5 ppb	2.8 µg/m ³
F7A 281602245-0020	Tennis Courts	18 L	0.10 µg	5.6 µg/m ³ 4.5 ppb	2.8 µg/m ³
F8A 281602245-0021	Swimming Pool	18 L	0.089 µg	4.9 µg/m ³ 4.0 ppb	2.8 µg/m ³
F9A 281602245-0022	Playground	18 L	0.088 µg	4.9 µg/m ³ 4.0 ppb	2.8 µg/m ³
F10A 281602245-0023	West of Stacks	18 L	0.091 µg	5.1 µg/m ³ 4.1 ppb	2.8 µg/m ³
F11A 281602245-0024	Entrance of Restaurant	18 L	0.085 µg	4.7 µg/m ³ 3.8 ppb	2.8 µg/m ³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/07/2016 14:26:53

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602245
Customer ID: LBAP78
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 6/28/2016
Analyzed: 7/06/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602245-0025	Close to Elevator	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F13A 281602245-0026	By Baseball Field Fence	18 L	0.070 µg	3.9 µg/m³	3.2 ppb	2.8 µg/m³
FB1 281602245-0027	Field Blank	N/A	<0.050 µg			
FB2 281602245-0028	Field Blank	N/A	0.077 µg			
FB3 281602245-0029	Field Blank	N/A	0.063 µg			
FB4 281602245-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/07/2016 14:26:53

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 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281602340
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 7/06/2016
Analyzed: 7/12/2016

Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602340-0001	139th St/Riverside Dr	18 L	0.15 µg	8.3 µg/m ³ 6.8 ppb	2.8 µg/m ³
F2 281602340-0002	142nd St/Riverside Dr	18 L	0.17 µg	9.4 µg/m ³ 7.7 ppb	2.8 µg/m ³
F3 281602340-0003	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m ³ 5.0 ppb	2.8 µg/m ³
F4 281602340-0004	AQM5	18 L	0.14 µg	7.8 µg/m ³ 6.3 ppb	2.8 µg/m ³
F5 281602340-0005	Entrance of Admin	18 L	0.13 µg	7.2 µg/m ³ 5.9 ppb	2.8 µg/m ³
F6 281602340-0006	Football Field by Water	18 L	0.088 µg	4.9 µg/m ³ 4.0 ppb	2.8 µg/m ³
F7 281602340-0007	Tennis Courts	18 L	0.13 µg	7.2 µg/m ³ 5.9 ppb	2.8 µg/m ³
F8 281602340-0008	Swimming Pool	18 L	0.067 µg	3.7 µg/m ³ 3.0 ppb	2.8 µg/m ³
F9 281602340-0009	Playground	18 L	0.095 µg	5.3 µg/m ³ 4.3 ppb	2.8 µg/m ³
F10 281602340-0010	West of Stacks	18 L	0.12 µg	6.7 µg/m ³ 5.4 ppb	2.8 µg/m ³
F11 281602340-0011	Entrance of Restaurant	18 L	0.18 µg	10 µg/m ³ 8.1 ppb	2.8 µg/m ³
F12 281602340-0012	Northeast Corner of the Elevator	18 L	0.092 µg	5.1 µg/m ³ 4.2 ppb	2.8 µg/m ³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/13/2016 16:08:30

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 7/06/2016
Analyzed: 7/12/2016

Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602340-0013	In the Middle of the Fence	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F1A 281602340-0014	139th St/Riverside Dr	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F2A 281602340-0015	142nd St/Riverside Dr	18 L	0.18 µg	10 µg/m³ 8.1 ppb	2.8 µg/m³
F3A 281602340-0016	144th St/Riverside Dr	16.5 L	0.10 µg	6.1 µg/m³ 4.9 ppb	3.0 µg/m³
F4A 281602340-0017	AQM5	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F5A 281602340-0018	Entrance of Admin	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F6A 281602340-0019	Foorball Field by Water	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F7A 281602340-0020	Tennis Courts	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F8A 281602340-0021	Swimming Pool	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F9A 281602340-0022	Playground	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F10A 281602340-0023	West of Stacks	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F11A 281602340-0024	Entrance of Restaurant	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/13/2016 16:08:30

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Fax:
Collected:
Received: 7/06/2016
Analyzed: 7/12/2016
Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602340-0025	Northeast Corner of the Elevator	18 L	0.23 µg	13 µg/m³	10 ppb	2.8 µg/m³
F13A 281602340-0026	In the Middle of the Fence	18 L	0.19 µg	11 µg/m³	8.6 ppb	2.8 µg/m³
FB1 281602340-0027	Field Blank	N/A	<0.050 µg			
FB2 281602340-0028	Field Blank	N/A	<0.050 µg			
FB3 281602340-0029	Field Blank	N/A	<0.050 µg			
FB4 281602340-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/13/2016 16:08:30

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EMSL Order ID: 281602346
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/07/2016
Analyzed: 7/14/2016
Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602346-0001	139th St/Riverside Dr	18 L	0.16 µg	8.9 µg/m³ 7.3 ppb	2.8 µg/m³
F2 281602346-0002	142nd St/Riverside Dr	18 L	0.17 µg	9.5 µg/m³ 7.7 ppb	2.8 µg/m³
F3 281602346-0003	144th St/Riverside Dr	18 L	0.22 µg	12 µg/m³ 9.7 ppb	2.8 µg/m³
F4 281602346-0004	AQM5	18 L	0.18 µg	10 µg/m³ 8.2 ppb	2.8 µg/m³
F5 281602346-0005	Entrance of Admin	18 L	0.26 µg	15 µg/m³ 12 ppb	2.8 µg/m³
F6 281602346-0006	Football Field by Water	18 L	0.24 µg	14 µg/m³ 11 ppb	2.8 µg/m³
F7 281602346-0007	Tennis Courts	18 L	0.24 µg	13 µg/m³ 11 ppb	2.8 µg/m³
F8 281602346-0008	Swimming Pool	18 L	0.24 µg	13 µg/m³ 11 ppb	2.8 µg/m³
F9 281602346-0009	Playground	18 L	0.22 µg	12 µg/m³ 9.9 ppb	2.8 µg/m³
F10 281602346-0010	West of Stacks	18 L	0.18 µg	9.8 µg/m³ 8.0 ppb	2.8 µg/m³
F11 281602346-0011	Entrance of Restaurant	18 L	0.19 µg	10 µg/m³ 8.5 ppb	2.8 µg/m³
F12 281602346-0012	Close to Elevator	18 L	0.24 µg	13 µg/m³ 11 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/15/2016 16:22:14

1. Samples were received in acceptable condition unless otherwise noted.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Attn: Rhine Almonacy
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New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 7/07/2016
Analyzed: 7/14/2016

Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602346-0013	By Baseball Field Fence	18 L	0.21 µg	12 µg/m ³ 9.5 ppb	2.8 µg/m ³
F1 281602346-0014	139th St/Riverside Dr	6.9 L	0.18 µg	26 µg/m ³ 21 ppb	7.2 µg/m ³
F2 281602346-0015	142nd St/Riverside Dr	7.5 L	0.094 µg	13 µg/m ³ 10 ppb	6.7 µg/m ³
F3 281602346-0016	144th St/Riverside Dr	18 L	0.063 µg	3.5 µg/m ³ 2.8 ppb	2.8 µg/m ³
F4 281602346-0017	AQM5	18 L	0.16 µg	8.7 µg/m ³ 7.1 ppb	2.8 µg/m ³
F5 281602346-0018	Entrance of Admin	7.5 L	0.082 µg	11 µg/m ³ 8.9 ppb	6.7 µg/m ³
F6 281602346-0019	Football Field by Water	18 L	0.19 µg	11 µg/m ³ 8.7 ppb	2.8 µg/m ³
F7 281602346-0020	Tennis Courts	18 L	0.15 µg	8.3 µg/m ³ 6.7 ppb	2.8 µg/m ³
F8 281602346-0021	Swimming Pool	7.5 L	0.094 µg	13 µg/m ³ 10 ppb	6.7 µg/m ³
F9 281602346-0022	Playground	7.5 L	0.10 µg	13 µg/m ³ 11 ppb	6.7 µg/m ³
F10 281602346-0023	West of Stacks	7.5 L	0.10 µg	13 µg/m ³ 11 ppb	6.7 µg/m ³
F11 281602346-0024	Entrance of Restaurant	18 L	0.15 µg	8.1 µg/m ³ 6.6 ppb	2.8 µg/m ³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/15/2016 16:22:14

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Received: 7/07/2016
Analyzed: 7/14/2016
Proj: North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12 281602346-0025	Close to Elevator	18 L	0.18 µg	9.8 µg/m³	8.0 ppb	2.8 µg/m³
F13 281602346-0026	By Baseball Field Fence	18 L	0.21 µg	12 µg/m³	9.6 ppb	2.8 µg/m³
FB1 281602346-0027	Field Blank	N/A	<0.050 µg			
FB2 281602346-0028	Field Blank	N/A	<0.050 µg			
FB3 281602346-0029	Field Blank	N/A	<0.050 µg			
FB4 281602346-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 07/15/2016 16:22:14

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Customer PO:
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Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/11/2016
Analyzed: 7/18/2016
Proj: 2001285.05.02 North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602399-0001	139th St/Riverside Dr	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F2 281602399-0002	142nd St/Riverside Dr	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F3 281602399-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281602399-0004	AQM5	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F5 281602399-0005	Entrance of Admin	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F6 281602399-0006	Football Field by Water	18 L	0.25 µg	14 µg/m³ 11 ppb	2.8 µg/m³
F7 281602399-0007	Tennis Courts	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F8 281602399-0008	Swimming Pools	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F9 281602399-0009	Playground	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F10 281602399-0010	West of Stacks	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F11 281602399-0011	Entrance of Restaurant	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F12 281602399-0012	Close to Elevator	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/19/2016 14:40:53

1. Samples were received in acceptable condition unless otherwise noted.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

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Collected:
Received: 7/11/2016
Analyzed: 7/18/2016
Proj: 2001285.05.02 North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602399-0013	By Baseball Field by Fence	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F1A 281602399-0014	139th St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F2A 281602399-0015	142nd St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F3A 281602399-0016	144th St/Riverside Dr	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F4A 281602399-0017	AQM5	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F5A 281602399-0018	Entrance of Admin	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F6A 281602399-0019	Football Field by Water	18 L	0.26 µg	14 µg/m³ 12 ppb	2.8 µg/m³
F7A 281602399-0020	Tennis Courts	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F8A 281602399-0021	Swimming Pool	18 L	0.23 µg	13 µg/m³ 10 ppb	2.8 µg/m³
F9A 281602399-0022	Playground	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F10A 281602399-0023	West of Stacks	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F11A 281602399-0024	Entrance of Restaurant	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/19/2016 14:40:53

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602399
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/11/2016
Analyzed: 7/18/2016
Proj: 2001285.05.02 North River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602399-0025	Close to Elevator	18 L	0.098 µg	5.4 µg/m³	4.4 ppb	2.8 µg/m³
F13A 281602399-0026	By Baseball Field Fence	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
FB1 281602399-0027	Field Blank	N/A	<0.050 µg			
FB2 281602399-0028	Field Blank	N/A	<0.050 µg			
FB3 281602399-0029	Field Blank	N/A	<0.050 µg			
FB4 281602399-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/19/2016 14:40:53

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281602405
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 7/12/2016
Analyzed: 7/19/2016

Proj: 2001285.05.02 Worth River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602405-0001	139th St/Riverside Dr	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F2 281602405-0002	142nd St/Riverside Dr	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F3 281602405-0003	144th St/Riverside Dr	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F4 281602405-0004	AQM5	18 L	0.074 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F5 281602405-0005	Entrance of Admin	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F6 281602405-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281602405-0007	Tennis Courts	18 L	0.076 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³
F8 281602405-0008	Swimming Pool	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F9 281602405-0009	Playground	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F10 281602405-0010	West of Stacks	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F11 281602405-0011	Entrance of Restaurant	18 L	0.072 µg	4.0 µg/m³ 3.3 ppb	2.8 µg/m³
F12 281602405-0012	Close to Elevator	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/20/2016 11:53:00

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 7/12/2016
Analyzed: 7/19/2016
Proj: 2001285.05.02 Worth River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602405-0013	By Baseball Field Fence	18 L	0.067 µg	3.7 µg/m³ 3.0 ppb	2.8 µg/m³
F1A 281602405-0014	139th St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F2A 281602405-0015	142nd St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F3A 281602405-0016	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4A 281602405-0017	AQM5	17.7 L	0.12 µg	6.8 µg/m³ 5.5 ppb	2.8 µg/m³
F5A 281602405-0018	Entrance of Admin	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F6A 281602405-0019	Football Field by Water	17.7 L	0.098 µg	5.5 µg/m³ 4.5 ppb	2.8 µg/m³
F7A 281602405-0020	Tennis Courts	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F8A 281602405-0021	Swimming Pool	17.7 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281602405-0022	Playground	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F10A 281602405-0023	West of Stacks	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
F11A 281602405-0024	Entrance of Restaurant	18 L	0.077 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 07/20/2016 11:53:00

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New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/12/2016
Analyzed: 7/19/2016
Proj: 2001285.05.02 Worth River WWTP Air Monitoring

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602405-0025	Close to Elevator	18 L	0.18 µg	10 µg/m³	8.1 ppb	2.8 µg/m³
F13A 281602405-0026	By Baseball Field Fence	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
FB1 281602405-0027	Field Blank	N/A	<0.050 µg			
FB2 281602405-0028	Field Blank	N/A	<0.050 µg			
FB3 281602405-0029	Field Blank	N/A	<0.050 µg			
FB4 281602405-0030	Field Blank	N/A	0.074 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 07/20/2016 11:53:00

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Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/20/2016
Analyzed: 7/26/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602505-0001	139th St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F2 281602505-0002	142nd St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F3 281602505-0003	144th St/Riverside Dr	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F4 281602505-0004	AQM5	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
F5 281602505-0005	Entrance of Admin	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
F6 281602505-0006	Football Field by Water	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F7 281602505-0007	Tennis Courts	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F8 281602505-0008	Swimming Pool	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F9 281602505-0009	Playground	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F10 281602505-0010	West of Stacks	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F11 281602505-0011	Entrance of Restaurant	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F12 281602505-0012	Close to Elevator	18 L	0.18 µg	10 µg/m³ 8.1 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/28/2016 13:15:49

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602505
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 7/20/2016
Analyzed: 7/26/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281602505-0013	By Baseball Field Fence	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F1A 281602505-0014	139th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F2A 281602505-0015	142nd St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F3A 281602505-0016	144th St/Riverside Dr	18 L	0.098 µg	5.4 µg/m³	4.4 ppb	2.8 µg/m³
F4A 281602505-0017	AQM5	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F5A 281602505-0018	Entrance of Admin	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F6A 281602505-0019	Football Field by Water	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F7A 281602505-0020	Tennis Courts	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F8A 281602505-0021	Swimming Pool	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F9A 281602505-0022	Playground	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F10A 281602505-0023	West of Stacks	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F11A 281602505-0024	Entrance of Restaurant	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/28/2016 13:15:49

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602505
Customer ID: LBAP78
Customer PO:
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Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/20/2016
Analyzed: 7/26/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602505-0025	Close to Elevator	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F13A 281602505-0026	By Baseball Field Fence	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
FB1 281602505-0027	Field Blank	N/A	<0.050 µg			
FB2 281602505-0028	Field Blank	N/A	<0.050 µg			
FB3 281602505-0029	Field Blank	N/A	<0.050 µg			
FB4 281602505-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/28/2016 13:15:49

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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602521
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/21/2016
Analyzed: 7/28/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602521-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F2 281602521-0002	142nd St/Riverside Dr	18 L	0.082 µg	4.6 µg/m³	3.7 ppb 2.8 µg/m³
F3 281602521-0003	144th St/Riverside Dr	18 L	0.082 µg	4.6 µg/m³	3.7 ppb 2.8 µg/m³
F4 281602521-0004	AQM5	18 L	0.17 µg	9.3 µg/m³	7.6 ppb 2.8 µg/m³
F5 281602521-0005	Entrance of Admin	18 L	0.079 µg	4.4 µg/m³	3.6 ppb 2.8 µg/m³
F6 281602521-0006	Football Field by Water	18 L	0.095 µg	5.3 µg/m³	4.3 ppb 2.8 µg/m³
F7 281602521-0007	Tennis Courts	18 L	0.070 µg	3.9 µg/m³	3.2 ppb 2.8 µg/m³
F8 281602521-0008	Swimming Pool	18 L	0.16 µg	8.9 µg/m³	7.3 ppb 2.8 µg/m³
F9 281602521-0009	Playground	18 L	0.088 µg	4.9 µg/m³	4.0 ppb 2.8 µg/m³
F10 281602521-0010	West of Stacks	18 L	0.13 µg	7.3 µg/m³	5.9 ppb 2.8 µg/m³
F11 281602521-0011	Entrance of Restaurant	18 L	0.16 µg	9.1 µg/m³	7.4 ppb 2.8 µg/m³
F12 281602521-0012	Close to Elevator	18 L	0.14 µg	7.9 µg/m³	6.4 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/29/2016 16:23:08

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Attn: Rhine Almonacy
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48 Wall St.
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Phone: (212) 612-7900
Fax:
Collected:
Received: 7/21/2016
Analyzed: 7/28/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602521-0013	By Baseball Field Fence	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F1A 281602521-0014	139th St/Riverside Dr	18 L	0.10 µg	5.8 µg/m³ 4.7 ppb	2.8 µg/m³
F2A 281602521-0015	142nd St/Riverside Dr	18 L	0.13 µg	7.1 µg/m³ 5.7 ppb	2.8 µg/m³
F3A 281602521-0016	144th St/Riverside Dr	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F4A 281602521-0017	AQM5	18 L	0.15 µg	8.1 µg/m³ 6.6 ppb	2.8 µg/m³
F5A 281602521-0018	Entrance of Admin	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F6A 281602521-0019	Football Field by Water	18 L	0.11 µg	6.2 µg/m³ 5.1 ppb	2.8 µg/m³
F7A 281602521-0020	Tennis Courts	18 L	0.11 µg	6.3 µg/m³ 5.1 ppb	2.8 µg/m³
F8A 281602521-0021	Swimming Pool	18 L	0.11 µg	6.1 µg/m³ 4.9 ppb	2.8 µg/m³
F9A 281602521-0022	Playground	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F10A 281602521-0023	West of Stacks	18 L	0.12 µg	6.8 µg/m³ 5.5 ppb	2.8 µg/m³
F11A 281602521-0024	Entrance of Restaurant	18 L	0.11 µg	5.9 µg/m³ 4.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 07/29/2016 16:23:08

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602521-0025	Close to Elevator	18 L	0.11 µg	5.9 µg/m³	4.8 ppb	2.8 µg/m³
F13A 281602521-0026	By Baseball Field Fence	18 L	0.14 µg	7.7 µg/m³	6.3 ppb	2.8 µg/m³
FB1 281602521-0027	Field Blank	N/A	<0.050 µg			
FB2 281602521-0028	Field Blank	N/A	<0.050 µg			
FB3 281602521-0029	Field Blank	N/A	<0.050 µg			
FB4 281602521-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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EMSL Order ID: 281602587
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 7/27/2016 12:00:00AM
Received: 7/28/2016
Analyzed: 8/02/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602587-0001	139th St/Riverside Dr.	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F2 281602587-0002	142nd St/Riverside Dr.	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F3 281602587-0003	144th St/Riverside Dr.	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F4 281602587-0004	AQM5	18 L	0.21 µg	12 µg/m³ 9.5 ppb	2.8 µg/m³
F5 281602587-0005	Entrance of Admin	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F6 281602587-0006	Football Field by Water	18 L	0.063 µg	3.5 µg/m³ 2.8 ppb	2.8 µg/m³
F7 281602587-0007	Tennis Courts	18 L	0.051 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F8 281602587-0008	Swimming Pool	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F9 281602587-0009	Playground	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F10 281602587-0010	West of Stacks	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F11 281602587-0011	Entrance of Restarant	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F12 281602587-0012	Close to Elevator	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/03/2016 14:14:58

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602587
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 7/27/2016 12:00:00AM
Received: 7/28/2016
Analyzed: 8/02/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602587-0013	By Baseball Field Fence	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F1A 281602587-0014	139th St/Riverside Dr	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F2A 281602587-0015	142nd St/Riverside Dr	18 L	0.22 µg	12 µg/m³ 10 ppb	2.8 µg/m³
F3A 281602587-0016	144th St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F4A 281602587-0017	AQM5	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F5A 281602587-0018	Entrance of Admin	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F6A 281602587-0019	Football Field by Water	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F7A 281602587-0020	Tennis Courts	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F8A 281602587-0021	Swimming Pool	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F9A 281602587-0022	Playground	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F10A 281602587-0023	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281602587-0024	Entrance of Restaurant	18 L	0.24 µg	13 µg/m³ 11 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/03/2016 14:14:58

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281602587
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 7/27/2016 12:00:00AM
Received: 7/28/2016
Analyzed: 8/02/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602587-0025	Close to Elevator	18 L	0.25 µg	14 µg/m³	11 ppb	2.8 µg/m³
F13A 281602587-0026	By Baseball Field Fence	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
FB1 281602587-0027	Field Blank	N/A	<0.050 µg			
FB2 281602587-0028	Field Blank	N/A	<0.050 µg			
FB3 281602587-0029	Field Blank	N/A	<0.050 µg			
FB4 281602587-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/03/2016 14:14:58

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602612
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/28/2016
Analyzed: 8/04/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F1 281602612-0001	139th St/Riverside Dr	18 L	3.5 µg	200 µg/m³	160 ppb	2.8 µg/m³
F2 281602612-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F3 281602612-0003	144th St/Riverside Dr	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
F4 281602612-0004	AQM5	18 L	0.37 µg	20 µg/m³	17 ppb	2.8 µg/m³
F5 281602612-0005	Entrance of Admin	18 L	0.26 µg	14 µg/m³	12 ppb	2.8 µg/m³
F6 281602612-0006	Football Field by Water	18 L	0.28 µg	15 µg/m³	12 ppb	2.8 µg/m³
F7 281602612-0007	Tennis Courts	18 L	0.21 µg	11 µg/m³	9.3 ppb	2.8 µg/m³
F8 281602612-0008	Swimming Pool	18 L	0.25 µg	14 µg/m³	11 ppb	2.8 µg/m³
F9 281602612-0009	Playground	18 L	0.26 µg	15 µg/m³	12 ppb	2.8 µg/m³
F10 281602612-0010	West of Stacks	18 L	0.31 µg	17 µg/m³	14 ppb	2.8 µg/m³
F11 281602612-0011	Entrance of Restaurant	18 L	0.37 µg	21 µg/m³	17 ppb	2.8 µg/m³
F12 281602612-0012	Close to Elevator	18 L	0.20 µg	11 µg/m³	9.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/05/2016 16:33:24

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602612
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/28/2016
Analyzed: 8/04/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281602612-0013	By Baseball Field Fence	18 L	0.16 µg	9.1 µg/m³	7.4 ppb	2.8 µg/m³
F1A 281602612-0014	139th St/Riverside Dr	18 L	0.13 µg	7.4 µg/m³	6.1 ppb	2.8 µg/m³
F2A 281602612-0015	142nd St/Riverside Dr	18 L	0.34 µg	19 µg/m³	16 ppb	2.8 µg/m³
F3A 281602612-0016	144th St/Riverside Dr	18 L	0.17 µg	9.6 µg/m³	7.8 ppb	2.8 µg/m³
F4A 281602612-0017	AQM5	18 L	0.19 µg	10 µg/m³	8.4 ppb	2.8 µg/m³
F5A 281602612-0018	Entrance of Admin	18 L	0.28 µg	16 µg/m³	13 ppb	2.8 µg/m³
F6A 281602612-0019	Football Field by Water	18 L	0.19 µg	11 µg/m³	8.8 ppb	2.8 µg/m³
F7A 281602612-0020	Tennis Courts	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
F8A 281602612-0021	Swimming Pool	18 L	0.19 µg	10 µg/m³	8.5 ppb	2.8 µg/m³
F9A 281602612-0022	Playground	18 L	0.18 µg	9.9 µg/m³	8.1 ppb	2.8 µg/m³
F10A 281602612-0023	West of Stacks	18 L	0.21 µg	12 µg/m³	9.4 ppb	2.8 µg/m³
F11A 281602612-0024	Entrance of Restaurant	18 L	0.23 µg	13 µg/m³	10 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/05/2016 16:33:24

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281602612
Customer ID: LBAP78
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Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 7/28/2016
Analyzed: 8/04/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602612-0025	Close to Elevator	18 L	0.17 µg	9.5 µg/m³	7.7 ppb	2.8 µg/m³
F13A 281602612-0026	By Baseball Field Fence	18 L	0.15 µg	8.2 µg/m³	6.6 ppb	2.8 µg/m³
FB1 281602612-0027	Field Blank	N/A	<0.050 µg			
FB2 281602612-0028	Field Blank	N/A	<0.050 µg			
FB3 281602612-0029	Field Blank	N/A	<0.050 µg			
FB4 281602612-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/05/2016 16:33:24

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281602715
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/03/2016
Analyzed: 8/10/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602715-0001	139th St/Riverside Dr	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F2 281602715-0002	142nd St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F3 281602715-0003	144th St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4 281602715-0004	AQM5	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F5 281602715-0005	Entrance of Admin	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F6 281602715-0006	Football Field by Water	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F7 281602715-0007	Tennis Courts	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F8 281602715-0008	Swimming Pool	18 L	0.095 µg	5.3 µg/m³ 4.3 ppb	2.8 µg/m³
F9 281602715-0009	Playground	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F10 281602715-0010	West of Stacks	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F11 281602715-0011	Entrance of Restaurant	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F12 281602715-0012	Close to Elevator	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/11/2016 13:17:14

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281602715
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/03/2016
Analyzed: 8/10/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281602715-0013	By Baseball Field Fence	18 L	0.083 µg	4.6 µg/m³	3.8 ppb	2.8 µg/m³
F1A 281602715-0014	139th St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³
F2A 281602715-0015	142nd St/Riverside	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
F3A 281602715-0016	144th St/Riverside Dr	18 L	0.095 µg	5.3 µg/m³	4.3 ppb	2.8 µg/m³
F4A 281602715-0017	AQM5	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F5A 281602715-0018	Entrance of Admin	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F6A 281602715-0019	Football Field by Water	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F7A 281602715-0020	Tennis Courts	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
F8A 281602715-0021	Swimming Pool	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F9A 281602715-0022	Playground	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F10A 281602715-0023	West of Stacks	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F11A 281602715-0024	Entrance of Restaurant	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/11/2016 13:17:14

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281602715
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/03/2016
Analyzed: 8/10/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602715-0025	Close to Elevator	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F13A 281602715-0026	By Baseball Field Fence	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
FB1 281602715-0027	Field Blank	N/A	<0.050 µg			
FB2 281602715-0028	Field Blank	N/A	<0.050 µg			
FB3 281602715-0029	Field Blank	N/A	<0.050 µg			
FB4 281602715-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/11/2016 13:17:14

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281602733
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/04/2016
Analyzed: 8/11/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602733-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F2 281602733-0002	142nd St/Riverside Dr	18 L	0.061 µg	3.4 µg/m³	2.8 ppb 2.8 µg/m³
F3 281602733-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F4 281602733-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F5 281602733-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F6 281602733-0006	Football Field by Water	18 L	0.073 µg	4.1 µg/m³	3.3 ppb 2.8 µg/m³
F7 281602733-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F8 281602733-0008	Swimming Pool	18 L	0.076 µg	4.2 µg/m³	3.4 ppb 2.8 µg/m³
F9 281602733-0009	Playground	18 L	0.10 µg	5.6 µg/m³	4.5 ppb 2.8 µg/m³
F10 281602733-0010	West of Stacks	18 L	0.077 µg	4.3 µg/m³	3.5 ppb 2.8 µg/m³
F11 281602733-0011	Entrance of Restaurant	18 L	0.20 µg	11 µg/m³	9.0 ppb 2.8 µg/m³
F12 281602733-0012	Close to Elevator	18 L	0.091 µg	5.1 µg/m³	4.1 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/12/2016 13:12:19

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602733
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/04/2016
Analyzed: 8/11/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281602733-0013	By Baseball Field Fence	18 L	0.073 µg	4.1 µg/m³	3.3 ppb	2.8 µg/m³
F1A 281602733-0014	139th St/Riverside Dr	18 L	0.069 µg	3.8 µg/m³	3.1 ppb	2.8 µg/m³
F2A 281602733-0015	142nd St/Riverside Dr	18 L	0.083 µg	4.6 µg/m³	3.8 ppb	2.8 µg/m³
F3A 281602733-0016	144th St/Riverside Dr	18 L	0.072 µg	4.0 µg/m³	3.3 ppb	2.8 µg/m³
F4A 281602733-0017	AQM5	18 L	0.13 µg	7.2 µg/m³	5.9 ppb	2.8 µg/m³
F5A 281602733-0018	Entrance of Admin	18 L	0.063 µg	3.5 µg/m³	2.8 ppb	2.8 µg/m³
F6A 281602733-0019	Football Field by Water	18 L	0.076 µg	4.2 µg/m³	3.4 ppb	2.8 µg/m³
F7A 281602733-0020	Tennis Courts	18 L	0.063 µg	3.5 µg/m³	2.8 ppb	2.8 µg/m³
F8A 281602733-0021	Swimming Pool	18 L	0.057 µg	3.2 µg/m³	2.6 ppb	2.8 µg/m³
F9A 281602733-0022	Playground	18 L	0.063 µg	3.5 µg/m³	2.8 ppb	2.8 µg/m³
F10A 281602733-0023	West of Stacks	18 L	0.067 µg	3.7 µg/m³	3.0 ppb	2.8 µg/m³
F11A 281602733-0024	Entrance of Restaurant	18 L	0.091 µg	5.1 µg/m³	4.1 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/12/2016 13:12:19

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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New York, NY 10005
Phone: (212) 612-7900
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Received: 8/04/2016
Analyzed: 8/11/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602733-0025	Close to Elevator	18 L	0.079 µg	4.4 µg/m³	3.6 ppb	2.8 µg/m³
F13A 281602733-0026	By Baseball Field Fence	18 L	0.091 µg	5.1 µg/m³	4.1 ppb	2.8 µg/m³
FB1 281602733-0027	Field Blank	N/A	<0.050 µg			
FB2 281602733-0028	Field Blank	N/A	<0.050 µg			
FB3 281602733-0029	Field Blank	N/A	<0.050 µg			
FB4 281602733-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/12/2016 13:12:19

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602775
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 8/09/2016
Analyzed: 8/16/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602775-0001	139th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F2 281602775-0002	142nd St/Riverside Dr	18 L	0.17 µg	9.4 µg/m³ 7.7 ppb	2.8 µg/m³
F3 281602775-0003	144th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F4 281602775-0004	AQM5	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
F5 281602775-0005	Entrance of Admin	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F6 281602775-0006	Football Field by Water	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F7 281602775-0007	Tennis Courts	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F8 281602775-0008	Swimming Pool	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F9 281602775-0009	Playground	18 L	0.079 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F10 281602775-0010	West of Stacks	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F11 281602775-0011	Entrance of Restaurant	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F12 281602775-0012	Close to Elevator	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 08/17/2016 13:25:00 Replaces amended report from:08/17/2016 11:10:26 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Analyzed: 8/16/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602775-0013	By Baseball Field Fence	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F1A 281602775-0014	139th St/Riverside Dr	18 L	0.088 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F2A 281602775-0015	142nd St/Riverside Dr	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F3A 281602775-0016	144th St/Riverside Dr	18 L	0.069 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F4A 281602775-0017	AQM5	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F5A 281602775-0018	Entrance of Admin	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F6A 281602775-0019	Football Field by Water	18 L	0.073 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F7A 281602775-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281602775-0021	Swimming Pool	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F9A 281602775-0022	Playground	18 L	0.089 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F10A 281602775-0023	West of Stacks	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F11A 281602775-0024	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 08/17/2016 13:25:00 Replaces amended report from:08/17/2016 11:10:26 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 8/09/2016
Analyzed: 8/16/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602775-0025	Close to Elevator	18 L	0.088 µg	4.9 µg/m³	4.0 ppb	2.8 µg/m³
F13A 281602775-0026	By Baseball Field Fence	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
FB1 281602775-0027	Field Blank	N/A	<0.050 µg			
FB2 281602775-0028	Field Blank	N/A	<0.050 µg			
FB3 281602775-0029	Field Blank	N/A	<0.050 µg			
FB4 281602775-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Report amended: 08/17/2016 13:25:00 Replaces amended report from:08/17/2016 11:10:26 Reason Code: ppb format

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Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281602802
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/11/2016
Analyzed: 8/18/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602802-0001	139th St/Riverside Dr	18 L	0.18 µg	9.8 µg/m³ 8.0 ppb	2.8 µg/m³
F2 281602802-0002	142nd St/Riverside Dr	18 L	0.10 µg	5.7 µg/m³ 4.6 ppb	2.8 µg/m³
F3 281602802-0003	144th St/Riverside Dr	18 L	0.12 µg	6.6 µg/m³ 5.3 ppb	2.8 µg/m³
F4 281602802-0004	AQM5	18 L	0.21 µg	12 µg/m³ 9.4 ppb	2.8 µg/m³
F5 281602802-0005	Entrance of Admin	18 L	0.41 µg	23 µg/m³ 19 ppb	2.8 µg/m³
F6 281602802-0006	Football Field by Water	18 L	0.23 µg	13 µg/m³ 10 ppb	2.8 µg/m³
F7 281602802-0007	Tennis Courts	18 L	0.19 µg	11 µg/m³ 8.6 ppb	2.8 µg/m³
F8 281602802-0008	Swimming Pool	18 L	0.24 µg	13 µg/m³ 11 ppb	2.8 µg/m³
F9 281602802-0009	Playground	18 L	0.21 µg	12 µg/m³ 9.7 ppb	2.8 µg/m³
F10 281602802-0010	West of Stacks	18 L	0.28 µg	16 µg/m³ 13 ppb	2.8 µg/m³
F11 281602802-0011	Entrance of Restaurant	18 L	0.16 µg	8.6 µg/m³ 7.0 ppb	2.8 µg/m³
F12 281602802-0012	Close to Elevator	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/19/2016 16:49:45

1. Samples were received in acceptable condition unless otherwise noted.
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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
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Collected:
Received: 8/11/2016
Analyzed: 8/18/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602802-0013	By Baseball Field Fence	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F1A 281602802-0014	139th St/Riverside Dr	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F2A 281602802-0015	142nd St/Riverside Dr	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F3A 281602802-0016	144th St/Riverside Dr	18 L	0.18 µg	10 µg/m³ 8.2 ppb	2.8 µg/m³
F4A 281602802-0017	AQM5	18 L	0.27 µg	15 µg/m³ 12 ppb	2.8 µg/m³
F5A 281602802-0018	Entrance of Admin	18 L	0.051 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F6A 281602802-0019	Football Field by Water	18 L	0.23 µg	13 µg/m³ 10 ppb	2.8 µg/m³
F7A 281602802-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281602802-0021	Swimming Pool	18 L	0.15 µg	8.5 µg/m³ 6.9 ppb	2.8 µg/m³
F9A 281602802-0022	Playground	18 L	0.14 µg	7.8 µg/m³ 6.4 ppb	2.8 µg/m³
F10A 281602802-0023	West of Stacks	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F11A 281602802-0024	Entrance of Restaurant	18 L	0.24 µg	14 µg/m³ 11 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/19/2016 16:49:45

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

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Phone: (212) 612-7900
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Collected:
Received: 8/11/2016
Analyzed: 8/18/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602802-0025	Close to Elevator	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F13A 281602802-0026	By Baseball Field Fence	18 L	0.24 µg	13 µg/m³	11 ppb	2.8 µg/m³
FB1 281602802-0027	Field Blank	N/A	<0.050 µg			
FB2 281602802-0028	Field Blank	N/A	<0.050 µg			
FB3 281602802-0029	Field Blank	N/A	<0.050 µg			
FB4 281602802-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/19/2016 16:49:45

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 2. These results relate only to the samples tested.
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EMSL Order ID: 281602853
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/17/2016
Analyzed: 8/22/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602853-0001	139th St/Riverside Dr	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F2 281602853-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281602853-0003	144th St/Riverside Dr	18 L	0.071 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F4 281602853-0004	AQM5	18 L	0.60 µg	33 µg/m³ 27 ppb	2.8 µg/m³
F5 281602853-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281602853-0006	Football Field by Water	18 L	0.089 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F7 281602853-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281602853-0008	Swimming Pool	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F9 281602853-0009	Playground	18 L	0.072 µg	4.0 µg/m³ 3.3 ppb	2.8 µg/m³
F10 281602853-0010	West of Stacks	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F11 281602853-0011	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F12 281602853-0012	Close to Elevator	18 L	0.33 µg	18 µg/m³ 15 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/25/2016 10:59:53

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 8/17/2016
Analyzed: 8/22/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602853-0013	By Baseball Field Fence	18 L	0.27 µg	15 µg/m³ 12 ppb	2.8 µg/m³
F1A 281602853-0014	139th St/Riverside Dr	18 L	0.35 µg	19 µg/m³ 16 ppb	2.8 µg/m³
F2A 281602853-0015	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281602853-0016	144th St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F4A 281602853-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281602853-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6A 281602853-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281602853-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281602853-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281602853-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281602853-0023	West of Stacks	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F11A 281602853-0024	Entrance of Restaurant	18 L	0.078 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/25/2016 10:59:53

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281602853
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/17/2016
Analyzed: 8/22/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602853-0025	Close to Elevator	18 L	0.055 µg	3.1 µg/m³	2.5 ppb	2.8 µg/m³
F13A 281602853-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
FB1 281602853-0027	Field Blank	N/A	<0.050 µg			
FB2 281602853-0028	Field Blank	N/A	<0.050 µg			
FB3 281602853-0029	Field Blank	N/A	<0.050 µg			
FB4 281602853-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/25/2016 10:59:53

1. Samples were received in acceptable condition unless otherwise noted.
 2. These results relate only to the samples tested.
 3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281602866
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/18/2016
Analyzed: 8/24/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602866-0001	139th St/Riverside Dr.	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F2 281602866-0002	142nd St/Riverside Dr.	18 L	0.099 µg	5.5 µg/m³ 4.5 ppb	2.8 µg/m³
F3 281602866-0003	144th St/Riverside Dr.	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F4 281602866-0004	AQM5	18 L	0.077 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
F5 281602866-0005	Entrance of Admin	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F6 281602866-0006	Football Field by Water	18 L	0.089 µg	4.9 µg/m³ 4.0 ppb	2.8 µg/m³
F7 281602866-0007	Tennis Courts	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
F8 281602866-0008	Swimming Pool	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F9 281602866-0009	Playground	18 L	0.078 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
F10 281602866-0010	West of Stacks	18 L	0.25 µg	14 µg/m³ 11 ppb	2.8 µg/m³
F11 281602866-0011	Entrance of Restaurant	18 L	0.068 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F12 281602866-0012	Close to Elevator	18 L	0.055 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 08/25/2016 13:16:33

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/18/2016
Analyzed: 8/24/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281602866-0013	By Baseball Field Fence	18 L	0.098 µg	5.4 µg/m³	4.4 ppb	2.8 µg/m³
F1A 281602866-0014	139th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F2A 281602866-0015	142nd St/Riverside Dr	18 L	0.077 µg	4.3 µg/m³	3.5 ppb	2.8 µg/m³
F3A 281602866-0016	144th St/Riverside Dr	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
F4A 281602866-0017	AQM5	18 L	0.091 µg	5.1 µg/m³	4.1 ppb	2.8 µg/m³
F5A 281602866-0018	Entrance of Admin	18 L	0.11 µg	6.1 µg/m³	5.0 ppb	2.8 µg/m³
F6A 281602866-0019	Football Field by Water	18 L	0.078 µg	4.3 µg/m³	3.5 ppb	2.8 µg/m³
F7A 281602866-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F8A 281602866-0021	Swimming Pool	18 L	0.082 µg	4.6 µg/m³	3.7 ppb	2.8 µg/m³
F9A 281602866-0022	Playground	18 L	0.084 µg	4.7 µg/m³	3.8 ppb	2.8 µg/m³
F10A 281602866-0023	West of Stacks	18 L	0.10 µg	5.6 µg/m³	4.5 ppb	2.8 µg/m³
F11A 281602866-0024	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³	5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 08/25/2016 13:16:33

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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New York, NY 10005

Phone: (212) 612-7900
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Collected:
Received: 8/18/2016
Analyzed: 8/24/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281602866-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F13A 281602866-0026	By Baseball Field Fence	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
FB1 281602866-0027	Field Blank	N/A	<0.050 µg			
FB2 281602866-0028	Field Blank	N/A	<0.050 µg			
FB3 281602866-0029	Field Blank	N/A	<0.050 µg			
FB4 281602866-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 08/25/2016 13:16:33

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EMSL Order ID: 281602923
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/24/2016
Analyzed: 8/30/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F1 281602923-0001	139th St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³	6.3 ppb	2.8 µg/m³
F2 281602923-0002	142nd St/Riverside Dr	18 L	0.18 µg	10 µg/m³	8.1 ppb	2.8 µg/m³
F3 281602923-0003	144nd St/Riverside Dr	18 L	0.20 µg	11 µg/m³	9.0 ppb	2.8 µg/m³
F4 281602923-0004	AQM5	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F5 281602923-0005	Entrance of Admin	18 L	0.23 µg	13 µg/m³	10 ppb	2.8 µg/m³
F6 281602923-0006	Football Field by Water	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F7 281602923-0007	Tennis Courts	18 L	0.18 µg	10 µg/m³	8.1 ppb	2.8 µg/m³
F8 281602923-0008	Swimming Pool	18 L	0.19 µg	11 µg/m³	8.6 ppb	2.8 µg/m³
F9 281602923-0009	Playground	18 L	0.20 µg	11 µg/m³	9.0 ppb	2.8 µg/m³
F10 281602923-0010	West of Stacks	18 L	0.16 µg	8.9 µg/m³	7.2 ppb	2.8 µg/m³
F11 281602923-0011	Entrance of Restaurant	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
F12 281602923-0012	Close to Elevator	18 L	0.19 µg	11 µg/m³	8.6 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/01/2016 10:54:34

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 8/24/2016
Analyzed: 8/30/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F13 281602923-0013	By Baseball Field Fence	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
F1 281602923-0014	139th St/Riverside Dr	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
F2 281602923-0015	142nd St/Riverside Dr	18 L	0.19 µg	11 µg/m³	8.6 ppb	2.8 µg/m³
F3 281602923-0016	144th St/Riverside Dr	18 L	0.20 µg	11 µg/m³	9.0 ppb	2.8 µg/m³
F4 281602923-0017	AQM5	18 L	0.21 µg	12 µg/m³	9.5 ppb	2.8 µg/m³
F5 281602923-0018	Entrance of Admin	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
F6 281602923-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F7 281602923-0020	Tennis Courts	18 L	0.24 µg	13 µg/m³	11 ppb	2.8 µg/m³
F8 281602923-0021	Swimming Pool	18 L	0.17 µg	9.4 µg/m³	7.7 ppb	2.8 µg/m³
F9 281602923-0022	Playground	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³
F10 281602923-0023	West of Stacks	18 L	0.18 µg	10 µg/m³	8.1 ppb	2.8 µg/m³
F11 281602923-0024	Entrance of Restaurant	18 L	0.15 µg	8.3 µg/m³	6.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/01/2016 10:54:34

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Phone: (212) 612-7900
Fax:
Collected:
Received: 8/24/2016
Analyzed: 8/30/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12 281602923-0025	Close to Elevator	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F13 281602923-0026	By Baseball Field Fence	18 L	0.18 µg	10 µg/m³ 8.1 ppb	2.8 µg/m³
FB1 281602923-0027	Field Blank	N/A	<0.050 µg		
FB2 281602923-0028	Field Blank	N/A	<0.050 µg		
FB3 281602923-0029	Field Blank	N/A	<0.050 µg		
FB4 281602923-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/01/2016 10:54:34

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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281602937
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected: 8/25/2016 12:00:00AM
Received: 8/26/2016
Analyzed: 9/01/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281602937-0001	139TH St/Riverside Dr.	18 L	0.12 µg	6.6 µg/m³ 5.4 ppb	2.8 µg/m³
F2 281602937-0002	142TH St/Riverside Dr.	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F3 281602937-0003	144TH St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281602937-0004	AQM5	18 L	0.077 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
F5 281602937-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281602937-0006	Football Field by Water	18 L	0.18 µg	9.7 µg/m³ 7.9 ppb	2.8 µg/m³
F7 281602937-0007	Tennis Courts	18 L	0.15 µg	8.1 µg/m³ 6.6 ppb	2.8 µg/m³
F8 281602937-0008	Swimming Pool	18 L	0.19 µg	10 µg/m³ 8.4 ppb	2.8 µg/m³
F9 281602937-0009	Playground	18 L	0.19 µg	11 µg/m³ 8.5 ppb	2.8 µg/m³
F10 281602937-0010	West of Stacks	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F11 281602937-0011	Entrance of Restaurant	18 L	0.16 µg	8.6 µg/m³ 7.0 ppb	2.8 µg/m³
F12 281602937-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/02/2016 13:10:25

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected: 8/25/2016 12:00:00AM
Received: 8/26/2016
Analyzed: 9/01/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281602937-0013	By Baseball Field Fence	18 L	0.14 µg	7.7 µg/m³ 6.3 ppb	2.8 µg/m³
F1A 281602937-0014	139TH St/Riverside Dr.	18 L	0.16 µg	8.8 µg/m³ 7.2 ppb	2.8 µg/m³
F2A 281602937-0015	142TH St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3A 281602937-0016	144TH St/Riverside Dr.	18 L	0.15 µg	8.2 µg/m³ 6.7 ppb	2.8 µg/m³
F4A 281602937-0017	AQM5	18 L	0.13 µg	7.0 µg/m³ 5.7 ppb	2.8 µg/m³
F5A 281602937-0018	Entrance of Admin	18 L	0.18 µg	9.8 µg/m³ 8.0 ppb	2.8 µg/m³
F6A 281602937-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281602937-0020	Tennis Courts	18 L	0.18 µg	9.8 µg/m³ 8.0 ppb	2.8 µg/m³
F8A 281602937-0021	Swimming Pool	18 L	0.15 µg	8.2 µg/m³ 6.7 ppb	2.8 µg/m³
F9A 281602937-0022	Playground	18 L	0.12 µg	6.8 µg/m³ 5.5 ppb	2.8 µg/m³
F10A 281602937-0023	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11A 281602937-0024	Entrance of Restaurant	18 L	0.18 µg	9.8 µg/m³ 8.0 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/02/2016 13:10:25

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Collected: 8/25/2016 12:00:00AM
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Analyzed: 9/01/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281602937-0025	Close to Elevator	18 L	0.15 µg	8.2 µg/m³ 6.7 ppb	2.8 µg/m³
F13A 281602937-0026	By Baseball Field Fence	18 L	0.17 µg	9.6 µg/m³ 7.8 ppb	2.8 µg/m³
FB1 281602937-0027	Field Blank	N/A	<0.050 µg		
FB2 281602937-0028	Field Blank	N/A	<0.050 µg		
FB3 281602937-0029	Field Blank	N/A	<0.050 µg		
FB4 281602937-0030	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/02/2016 13:10:25

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603000
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 8/30/2016 12:00:00AM
Received: 9/01/2016
Analyzed: 9/07/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281603000-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281603000-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281603000-0003	144th St/Riverside Dr	18 L	0.13 µg	6.9 µg/m³ 5.7 ppb	2.8 µg/m³
F4 281603000-0004	AQM5	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F5 281603000-0005	Entrance of Admin	18 L	0.11 µg	6.3 µg/m³ 5.2 ppb	2.8 µg/m³
F6 281603000-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281603000-0007	Tennis Courts	18 L	0.11 µg	6.2 µg/m³ 5.1 ppb	2.8 µg/m³
F8 281603000-0008	Swimming Pool	18 L	0.24 µg	14 µg/m³ 11 ppb	2.8 µg/m³
F9 281603000-0009	Playground	18 L	0.15 µg	8.1 µg/m³ 6.6 ppb	2.8 µg/m³
F10 281603000-0010	West of Stacks	18 L	0.068 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F11 281603000-0011	Entrance of Restaurant	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F12 281603000-0012	Close to Elevator	18 L	0.17 µg	9.6 µg/m³ 7.8 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/09/2016 12:58:07

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281603000
Customer ID: LBAP78
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Attn: Rhine Almonacy
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New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 8/30/2016 12:00:00AM
Received: 9/01/2016
Analyzed: 9/07/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603000-0013	By Baseball Field Fence	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F1A 281603000-0014	139th St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³ 5.5 ppb	2.8 µg/m³
F2A 281603000-0015	142nd St/Riverside Dr	18 L	0.23 µg	13 µg/m³ 10 ppb	2.8 µg/m³
F3A 281603000-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281603000-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281603000-0018	Entrance of Admin	18 L	0.15 µg	8.3 µg/m³ 6.7 ppb	2.8 µg/m³
F6A 281603000-0019	Football Field by Water	18 L	0.18 µg	9.8 µg/m³ 8.0 ppb	2.8 µg/m³
F7A 281603000-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281603000-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281603000-0022	Playground	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F10A 281603000-0023	West of Stacks	18 L	0.12 µg	6.8 µg/m³ 5.5 ppb	2.8 µg/m³
F11A 281603000-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/09/2016 12:58:07

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Analyzed: 9/07/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281603000-0025	Close to Elevator	18 L	0.20 µg	11 µg/m³	9.0 ppb	2.8 µg/m³
F13A 281603000-0026	By Baseball Field Fence	18 L	0.12 µg	6.6 µg/m³	5.4 ppb	2.8 µg/m³
FB1 281603000-0027	Field Blank	N/A	<0.050 µg			
FB2 281603000-0028	Field Blank	N/A	<0.050 µg			
FB3 281603000-0029	Field Blank	N/A	<0.050 µg			
FB4 281603000-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 09/09/2016 12:58:07

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EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281603012
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 9/1/2016 12:00:00AM
Received: 9/02/2016
Analyzed: 9/09/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281603012-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F2 281603012-0002	142nd St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³	5.9 ppb 2.8 µg/m³
F3 281603012-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F4 281603012-0004	AQM5	18 L	0.081 µg	4.5 µg/m³	3.7 ppb 2.8 µg/m³
F5 281603012-0005	Entrance of Admin	18 L	0.092 µg	5.1 µg/m³	4.2 ppb 2.8 µg/m³
F6 281603012-0006	Football Field by Water	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³
F7 281603012-0007	Tennis Courts	18 L	0.14 µg	7.8 µg/m³	6.3 ppb 2.8 µg/m³
F8 281603012-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F9 281603012-0009	Playground	18 L	0.13 µg	7.2 µg/m³	5.9 ppb 2.8 µg/m³
F10 281603012-0010	West of Stacks	18 L	0.14 µg	7.8 µg/m³	6.3 ppb 2.8 µg/m³
F11 281603012-0011	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³	5.4 ppb 2.8 µg/m³
F12 281603012-0012	Close to Elevator	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/12/2016 16:46:38

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281603012
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 9/1/2016 12:00:00AM
Received: 9/02/2016
Analyzed: 9/09/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603012-0013	By Baseball Field Fence	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F1A 281603012-0014	139th St/Riverside Dr	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F2A 281603012-0015	142nd St/Riverside Dr	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F3A 281603012-0016	144th St/Riverside Dr	18 L	0.087 µg	4.8 µg/m³ 3.9 ppb	2.8 µg/m³
F4A 281603012-0017	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5A 281603012-0018	Entrance of Admin	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F6A 281603012-0019	Football Field by Water	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F7A 281603012-0020	Tennis Courts	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F8A 281603012-0021	Swimming Pool	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F9A 281603012-0022	Playground	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F10A 281603012-0023	West of Stacks	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F11A 281603012-0024	Entrance of Restaurant	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/12/2016 16:46:38

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603012
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger & Associates, PC
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 9/1/2016 12:00:00AM
Received: 9/02/2016
Analyzed: 9/09/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281603012-0025	Close to Elevator	18 L	0.17 µg	9.4 µg/m ³	7.7 ppb	2.8 µg/m ³
F13A 281603012-0026	By Baseball Field Fence	18 L	0.23 µg	13 µg/m ³	10 ppb	2.8 µg/m ³
FB1 281603012-0027	Field Blank	N/A	<0.050 µg			
FB2 281603012-0028	Field Blank	N/A	<0.050 µg			
FB3 281603012-0029	Field Blank	N/A	<0.050 µg			
FB4 281603012-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/12/2016 16:46:38

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603062
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected: 9/7/2016 12:00:00AM
Received: 9/08/2016
Analyzed: 9/13/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281603062-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281603062-0002	142nd St/Riverside Dr	18 L	0.050 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F3 281603062-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281603062-0004	AQM5	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F5 281603062-0005	Entrance of Admin	18 L	0.061 µg	3.4 µg/m³ 2.8 ppb	2.8 µg/m³
F6 281603062-0006	Football Field by Water	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F7 281603062-0007	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8 281603062-0008	Swimming Pool	18 L	0.053 µg	2.9 µg/m³ 2.4 ppb	2.8 µg/m³
F9 281603062-0009	Playground	18 L	0.055 µg	3.1 µg/m³ 2.5 ppb	2.8 µg/m³
F10 281603062-0010	West of Stacks	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F11 281603062-0011	Entrance of Restaurant	18 L	0.050 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F12 281603062-0012	Close to Elevator	18 L	0.060 µg	3.3 µg/m³ 2.7 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/15/2016 09:54:40

1. Samples were received in acceptable condition unless otherwise noted.
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3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281603062
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Attn: Rhine Almonacy
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48 Wall St.
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Phone: (212) 612-7900
Fax:
Collected: 9/7/2016 12:00:00AM
Received: 9/08/2016
Analyzed: 9/13/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603062-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F1A 281603062-0014	139th St/Riverside Dr	18 L	0.064 µg	3.6 µg/m³	2.9 ppb 2.8 µg/m³
F2A 281603062-0015	142nd St/Riverside Dr	18 L	0.089 µg	4.9 µg/m³	4.0 ppb 2.8 µg/m³
F3A 281603062-0016	144th St/Riverside Dr	18 L	0.054 µg	3.0 µg/m³	2.4 ppb 2.8 µg/m³
F4A 281603062-0017	AQM5	18 L	0.053 µg	2.9 µg/m³	2.4 ppb 2.8 µg/m³
F5A 281603062-0018	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F6A 281603062-0019	Football Field by Water	18 L	0.097 µg	5.4 µg/m³	4.4 ppb 2.8 µg/m³
F7A 281603062-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F8A 281603062-0021	Swimming Pool	18 L	0.060 µg	3.3 µg/m³	2.7 ppb 2.8 µg/m³
F9A 281603062-0022	Playground	18 L	0.055 µg	3.1 µg/m³	2.5 ppb 2.8 µg/m³
F10A 281603062-0023	West of Stacks	18 L	0.077 µg	4.3 µg/m³	3.5 ppb 2.8 µg/m³
F11A 281603062-0024	Entrance of Restaurant	18 L	0.075 µg	4.2 µg/m³	3.4 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/15/2016 09:54:40

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
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Phone: (212) 612-7900
Fax:
Collected: 9/7/2016 12:00:00AM
Received: 9/08/2016
Analyzed: 9/13/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281603062-0025	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F13A 281603062-0026	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
FB1 281603062-0027	Field Blank	N/A	<0.050 µg		
FB2 281603062-0028	Field Blank	N/A	<0.050 µg		
FB3 281603062-0029	Field Blank	N/A	<0.050 µg		
FB4 281603062-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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200 Route 130 North Cinnaminson, NJ 08077
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<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603068
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 9/8/2016 12:00:00AM
Received: 9/09/2016
Analyzed: 9/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281603068-0001	139th St/Riverside Dr	18 L	0.084 µg	4.7 µg/m³ 3.8 ppb	2.8 µg/m³
F2 281603068-0002	142nd St/Riverside Dr	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F3 281603068-0003	144th St/Riverside Dr	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F4 281603068-0004	AQM5	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F5 281603068-0005	Entrance of Admin	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F6 281603068-0006	Football Field by Water	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F7 281603068-0007	Tennis Courts	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F8 281603068-0008	Swimming Pool	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F9 281603068-0009	Playground	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F10 281603068-0010	West of Stacks	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F11 281603068-0011	Entrance of Restaurant	18 L	0.19 µg	11 µg/m³ 8.6 ppb	2.8 µg/m³
F12 281603068-0012	Close to Elevator	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/15/2016 14:02:51

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603068
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 9/8/2016 12:00:00AM
Received: 9/09/2016
Analyzed: 9/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603068-0013	By Baseball Field Fence	18 L	0.20 µg	11 µg/m³ 9.0 ppb	2.8 µg/m³
F1A 281603068-0014	139th St/Riverside Dr	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F2A 281603068-0015	142nd St/Riverside Dr	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F3A 281603068-0016	144th St/Riverside Dr	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F4A 281603068-0017	AQM5	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F5A 281603068-0018	Entrance of Admin	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F6A 281603068-0019	Football Field by Water	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
F7A 281603068-0020	Tennis Courts	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F8A 281603068-0021	Swimming Pool	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
F9A 281603068-0022	Playground	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F10A 281603068-0023	West of Stacks	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F11A 281603068-0024	Entrance of Restaurant	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/15/2016 14:02:51

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281603068
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected: 9/8/2016 12:00:00AM
Received: 9/09/2016
Analyzed: 9/14/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281603068-0025	Close to Elevator	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F13A 281603068-0026	By Baseball Field Fence	18 L	0.21 µg	12 µg/m³ 9.5 ppb	2.8 µg/m³
FB1 281603068-0027	Field Blank	N/A	<0.050 µg		
FB2 281603068-0028	Field Blank	N/A	<0.050 µg		
FB3 281603068-0029	Field Blank	N/A	<0.050 µg		
FB4 281603068-0030	Field Blank	N/A	<0.050 µg		
Media Blank		N/A	<0.050 µg	N/A N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 09/15/2016 14:02:51

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603139
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/14/2016
Analyzed: 9/20/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281603139-0001	139th St/Riverside Dr.	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2 281603139-0002	142nd St/Riverside Dr	18 L	0.10 µg	5.6 µg/m³ 4.5 ppb	2.8 µg/m³
F3 281603139-0003	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4 281603139-0004	AQM5	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F5 281603139-0005	Entrance of Admin	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F6 281603139-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281603139-0007	Tennis Courts	18 L	0.071 µg	3.9 µg/m³ 3.2 ppb	2.8 µg/m³
F8 281603139-0008	Swimming Pool	18 L	0.065 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F9 281603139-0009	Playground	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F10 281603139-0010	West of Stacks	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F11 281603139-0011	Entrance of Restaurant	18 L	0.13 µg	7.2 µg/m³ 5.9 ppb	2.8 µg/m³
F12 281603139-0012	Close to Elevator	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/21/2016 17:02:36

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

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EMSL Order ID: 281603139
Customer ID: LBAP78
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Attn: Rhine Almonacy
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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/14/2016
Analyzed: 9/20/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603139-0013	By Baseball Field Fence	18 L	0.22 µg	12 µg/m³ 10 ppb	2.8 µg/m³
F1A 281603139-0014	139th St/Riverside Dr	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F2A 281603139-0015	142nd St/Riverside Dr	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F3A 281603139-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281603139-0017	AQM5	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F5A 281603139-0018	Entrance of Admin	18 L	0.098 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F6A 281603139-0019	Foorball Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281603139-0020	Tennis Courts	18 L	0.14 µg	7.8 µg/m³ 6.3 ppb	2.8 µg/m³
F8A 281603139-0021	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9A 281603139-0022	Playground	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F10A 281603139-0023	West of Stacks	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F11A 281603139-0024	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/21/2016 17:02:36

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3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603139
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/14/2016
Analyzed: 9/20/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281603139-0025	Close to Elevator	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
F13A 281603139-0026	By Baseball Field Fence	18 L	0.15 µg	8.3 µg/m³ 6.8 ppb	2.8 µg/m³
FB1 281603139-0027	Field Blank	N/A	<0.050 µg		
FB2 281603139-0028	Field Blank	N/A	<0.050 µg		
FB3 281603139-0029	Field Blank	N/A	<0.050 µg		
FB4 281603139-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/21/2016 17:02:36

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- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603148
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/15/2016
Analyzed: 9/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281603148-0001	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F2 281603148-0002	142nd St/Riverside Dr	18 L	0.058 µg	3.2 µg/m³	2.6 ppb 2.8 µg/m³
F3 281603148-0003	144th St/Riverside Dr	18 L	0.067 µg	3.7 µg/m³	3.0 ppb 2.8 µg/m³
F4 281603148-0004	AQM5	18 L	0.088 µg	4.9 µg/m³	4.0 ppb 2.8 µg/m³
F5 281603148-0005	Entrance of Admin	18 L	0.084 µg	4.7 µg/m³	3.8 ppb 2.8 µg/m³
F6 281603148-0006	Football Field by Water	18 L	0.12 µg	6.7 µg/m³	5.4 ppb 2.8 µg/m³
F7 281603148-0007	Tennis Courts	18 L	0.095 µg	5.3 µg/m³	4.3 ppb 2.8 µg/m³
F8 281603148-0008	Swimming Pool	18 L	0.055 µg	3.1 µg/m³	2.5 ppb 2.8 µg/m³
F9 281603148-0009	Playground	18 L	0.078 µg	4.3 µg/m³	3.5 ppb 2.8 µg/m³
F10 281603148-0010	West of Stacks	18 L	0.11 µg	6.1 µg/m³	5.0 ppb 2.8 µg/m³
F11 281603148-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³
F12 281603148-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb 2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 09/22/2016 11:41:51 Replaces initial report from:09/22/2016 11:41:12 Reason Code: ppb format

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281603148
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/15/2016
Analyzed: 9/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603148-0013	By Baseball Field Fence	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F1A 281603148-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281603148-0015	142nd St/Riverisde Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F3A 281603148-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281603148-0017	AQM5	18 L	0.080 µg	4.4 µg/m³ 3.6 ppb	2.8 µg/m³
F5A 281603148-0018	Entrance of Admin	18 L	0.068 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F6A 281603148-0019	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7A 281603148-0020	Tennic Courts	18 L	0.082 µg	4.6 µg/m³ 3.7 ppb	2.8 µg/m³
F8A 281603148-0021	Swimming Pool	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F9A 281603148-0022	Playground	18 L	0.094 µg	5.2 µg/m³ 4.3 ppb	2.8 µg/m³
F10A 281603148-0023	West of Stacks	18 L	0.064 µg	3.6 µg/m³ 2.9 ppb	2.8 µg/m³
F11A 281603148-0024	Entrance of Restaurant	18 L	0.075 µg	4.2 µg/m³ 3.4 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Report amended: 09/22/2016 11:41:51 Replaces initial report from:09/22/2016 11:41:12 Reason Code: ppb format

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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EMSL Order ID: 281603148
Customer ID: LBAP78
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Attn: Rhine Almonacy
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48 Wall St.
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Phone: (212) 612-7900
Fax:
Collected:
Received: 9/15/2016
Analyzed: 9/21/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281603148-0025	Close to Elevator	18 L	0.085 µg	4.7 µg/m³	3.8 ppb	2.8 µg/m³
F13A 281603148-0026	By Baseball Field Fence	18 L	0.062 µg	3.4 µg/m³	2.8 ppb	2.8 µg/m³
FB1 281603148-0027	Field Blank	N/A	<0.050 µg			
FB2 281603148-0028	Field Blank	N/A	<0.050 µg			
FB3 281603148-0029	Field Blank	N/A	<0.050 µg			
FB4 281603148-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Report amended: 09/22/2016 11:41:51 Replaces initial report from:09/22/2016 11:41:12 Reason Code: ppb format

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 2. These results relate only to the samples tested.
 3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
 4. A discernable Field Blank was submitted if listed above as a discrete sample.
- Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order ID: 281603206
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005

Phone: (212) 612-7900
Fax:
Collected:
Received: 9/21/2016
Analyzed: 9/27/2016

Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F1 281603206-0001	139th St/Riverside Dr	18 L	0.057 µg	3.2 µg/m³ 2.6 ppb	2.8 µg/m³
F2 281603206-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F3 281603206-0003	144th St/Riverside Dr	18 L	0.091 µg	5.1 µg/m³ 4.1 ppb	2.8 µg/m³
F4 281603206-0004	AQM5	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F5 281603206-0005	Entrance of Admin	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F6 281603206-0006	Football Field by Water	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F7 281603206-0007	Tennis Courts	18 L	0.081 µg	4.5 µg/m³ 3.7 ppb	2.8 µg/m³
F8 281603206-0008	Swimming Pool	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F9 281603206-0009	Playground	18 L	0.16 µg	8.9 µg/m³ 7.2 ppb	2.8 µg/m³
F10 281603206-0010	West of Stacks	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F11 281603206-0011	Entrance of Restaurant	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F12 281603206-0012	Close to Elevator	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/28/2016 17:24:28

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected. Reporting Limits for samples without volumes, such as Field Blanks, are 0.050 ug.
4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281603206
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/21/2016
Analyzed: 9/27/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603206-0013	By Baseball Field Fence	18 L	0.051 µg	2.8 µg/m³ 2.3 ppb	2.8 µg/m³
F1A 281603206-0014	139th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F2A 281603206-0015	142nd St/Riverside Dr	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F3A 281603206-0016	144th St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³ <2.3 ppb	2.8 µg/m³
F4A 281603206-0017	AQM5	18 L	0.078 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³
F5A 281603206-0018	Entrance of Admin	18 L	0.097 µg	5.4 µg/m³ 4.4 ppb	2.8 µg/m³
F6A 281603206-0019	Football Field by Water	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F7A 281603206-0020	Tennis Courts	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F8A 281603206-0021	Swimming Pool	18 L	0.074 µg	4.1 µg/m³ 3.3 ppb	2.8 µg/m³
F9A 281603206-0022	Playground	18 L	0.11 µg	6.1 µg/m³ 5.0 ppb	2.8 µg/m³
F10A 281603206-0023	West of Stacks	18 L	0.092 µg	5.1 µg/m³ 4.2 ppb	2.8 µg/m³
F11A 281603206-0024	Entrance of Restaurant	18 L	0.077 µg	4.3 µg/m³ 3.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/21/2016
Analyzed: 9/27/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F12A 281603206-0025	Close to Elevator	18 L	0.12 µg	6.7 µg/m³ 5.4 ppb	2.8 µg/m³
F13A 281603206-0026	By Baseball Field Fence	18 L	0.072 µg	4.0 µg/m³ 3.3 ppb	2.8 µg/m³
FB1 281603206-0027	Field Blank	N/A	<0.050 µg		
FB2 281603206-0028	Field Blank	N/A	<0.050 µg		
FB3 281603206-0029	Field Blank	N/A	<0.050 µg		
FB4 281603206-0030	Field Blank	N/A	<0.050 µg		

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
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EMSL Order ID: 281603231
Customer ID: LBAP78
Customer PO:
Project ID:

Attn: Rhine Almonacy
Louis Berger U.S., Inc
48 Wall St.
New York, NY 10005
Phone: (212) 612-7900
Fax:
Collected:
Received: 9/22/2016
Analyzed: 9/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F1 281603231-0001	139th St/Riverside Dr	18 L	0.055 µg	3.1 µg/m³	2.5 ppb	2.8 µg/m³
F2 281603231-0002	142nd St/Riverside Dr	18 L	<0.050 µg	<2.8 µg/m³	<2.3 ppb	2.8 µg/m³
F3 281603231-0003	144th St/Riverside Dr	18 L	0.15 µg	8.5 µg/m³	6.9 ppb	2.8 µg/m³
F4 281603231-0004	AQM5	18 L	0.11 µg	6.0 µg/m³	4.9 ppb	2.8 µg/m³
F5 281603231-0005	Entrance of Admin	18 L	0.12 µg	6.8 µg/m³	5.5 ppb	2.8 µg/m³
F6 281603231-0006	Football Field by Water	18 L	0.14 µg	7.5 µg/m³	6.1 ppb	2.8 µg/m³
F7 281603231-0007	Tennis Courts	18 L	0.14 µg	7.7 µg/m³	6.2 ppb	2.8 µg/m³
F8 281603231-0008	Swimming Pool	18 L	0.12 µg	6.8 µg/m³	5.5 ppb	2.8 µg/m³
F9 281603231-0009	Playground	18 L	0.12 µg	6.4 µg/m³	5.2 ppb	2.8 µg/m³
F10 281603231-0010	West of Stacks	18 L	0.092 µg	5.1 µg/m³	4.2 ppb	2.8 µg/m³
F11 281603231-0011	Entrance of Restaurant	18 L	0.12 µg	6.4 µg/m³	5.2 ppb	2.8 µg/m³
F12 281603231-0012	Close to Elevator	18 L	0.12 µg	6.9 µg/m³	5.6 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

Any questions please contact Scott VanEtten.

Initial report from: 09/30/2016 16:28:32

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Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



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Received: 9/22/2016
Analyzed: 9/29/2016
Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration	Reporting Limit
F13 281603231-0013	By Baseball Field Fence	18 L	0.10 µg	5.8 µg/m³ 4.7 ppb	2.8 µg/m³
F1A 281603231-0014	139th St/Riverside Dr	18 L	0.068 µg	3.8 µg/m³ 3.1 ppb	2.8 µg/m³
F2A 281603231-0015	142nd St/Riverside Dr	18 L	0.054 µg	3.0 µg/m³ 2.4 ppb	2.8 µg/m³
F3A 281603231-0016	144th St/Riverside Dr	18 L	0.14 µg	7.9 µg/m³ 6.4 ppb	2.8 µg/m³
F4A 281603231-0017	AQM5	18 L	0.11 µg	5.9 µg/m³ 4.8 ppb	2.8 µg/m³
F5A 281603231-0018	Entrance of Admin	18 L	0.11 µg	6.2 µg/m³ 5.1 ppb	2.8 µg/m³
F6A 281603231-0019	Football Field by Water	18 L	0.13 µg	7.4 µg/m³ 6.0 ppb	2.8 µg/m³
F7A 281603231-0020	Tennis Courts	18 L	0.12 µg	6.8 µg/m³ 5.5 ppb	2.8 µg/m³
F8A 281603231-0021	Swimming Pool	18 L	0.12 µg	6.9 µg/m³ 5.6 ppb	2.8 µg/m³
F9A 281603231-0022	Playground	18 L	0.14 µg	7.5 µg/m³ 6.1 ppb	2.8 µg/m³
F10A 281603231-0023	West of Stacks	18 L	0.11 µg	6.2 µg/m³ 5.0 ppb	2.8 µg/m³
F11A 281603231-0024	Entrance of Restaurant	18 L	0.14 µg	7.9 µg/m³ 6.5 ppb	2.8 µg/m³

N/A = Not Applicable

Analyst(s)

Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 09/30/2016 16:28:32

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Received: 9/22/2016
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Proj: 2001285.05.02

Test Report: Formaldehyde Analysis by HPLC of Solid Sorbent Tubes via NIOSH 2016, Issue 2, 3/15/03 modified

Sample ID	Identification	Volume	Sample Weight	Sample Concentration		Reporting Limit
F12A 281603231-0025	Close to Elevator	18 L	0.12 µg	6.4 µg/m³	5.2 ppb	2.8 µg/m³
F13A 281603231-0026	By Baseball Field Fence	18 L	0.12 µg	6.6 µg/m³	5.3 ppb	2.8 µg/m³
FB1 281603231-0027	Field Blank	N/A	<0.050 µg			
FB2 281603231-0028	Field Blank	N/A	<0.050 µg			
FB3 281603231-0029	Field Blank	N/A	0.053 µg			
FB4 281603231-0030	Field Blank	N/A	<0.050 µg			
Media Blank		N/A	<0.050 µg	N/A	N/A	N/A

N/A = Not Applicable

Analyst(s)
Alicia Shafer

Scott Van Etten, CIH, Laboratory Manager

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Initial report from: 09/30/2016 16:28:32

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4. A discernable Field Blank was submitted if listed above as a discrete sample.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Lab 100194



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- | | |
|---|-----------------------------------|
| <input checked="" type="checkbox"/> INDUSTRIAL HYGIENE | Accreditation Expires: 09/01/2016 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: 09/01/2016 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: 09/01/2016 |
| <input type="checkbox"/> FOOD | Accreditation Expires: |
| <input type="checkbox"/> UNIQUE SCOPES | Accreditation Expires: |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 10/31/2014



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**
Issue Date: 10/31/2014

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 02/01/1989

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/ Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>	
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1003 Modified		
			NIOSH 1005		
			NIOSH 1400		
			NIOSH 1500 Modified		
			NIOSH 1501 Modified		
			NIOSH 1550 Modified		
			NIOSH 1603 Modified		
			NIOSH 2000 Modified		
		GC/ECD	NIOSH 5502 Modified		
			NIOSH 5503 Modified		
			NIOSH 5510 Modified		
			OSHA 1010 Modified		
		GC/MS		EPA TO-15	
		Gas Chromatography (Diffusive Samplers)		NIOSH 1501 Modified	
	Ion Chromatography (IC)		NIOSH 6004 Modified		
			NIOSH 6011		
NIOSH 7903					
OSHA ID-214					
OSHA ID-215 Modified					



IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
Chromatography Core	Liquid Chromatography	HPLC/FL	NIOSH 5506 Modified	
		HPLC/UV	NIOSH 2016	
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009 Modified	
			OSHA ID-140 Modified	
		FAA	NIOSH 7082	
		GFAA	NIOSH 7105	
	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300 Modified	
		ICP/AES	NIOSH 7300 Modified	
	X-ray Diffraction (XRD)		NIOSH 7500 Modified	
			OSHA ID-142 Modified	
UV/VIS (Colorimetric)		NIOSH 6010 Modified		
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		EPA 600/R-93/116	
	Phase Contrast Microscopy (PCM)		NIOSH 7400	
	Transmission Electron Microscopy (TEM)		EPA AHERA - 40 CFR Part 763	EPA AHERA Method (40 CFR 763, Subpart E, Appendix A, Mandatory Method)
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	
			NIOSH 5524	
	Thermo-optical Analysis (TOA)		NIOSH 5040	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>