

# WEAVER BOOS CONSULTANTS

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 100

GPS Coordinates (UTM): 453851 Northing 4617343 Easting

Wipe Samples Sample Time: 7:08

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

Sampling Media: Solvent: Surface Area Measurement:

|              |   |                 |   |                |   |
|--------------|---|-----------------|---|----------------|---|
| Ghost Wipe   | X | Pre-Moistened   | X | Template       | X |
| Cotton Gauze | X | Distilled Water |   | Measured Area  |   |
| Filter Paper |   | Isoctane        | X | Estimated Area |   |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Lower right corner of bus sign NE of S Commercial and E 104th

Bulk Soil Sample: 100 / 0-0.5' Time: 7:09

Duplicate: N/A Time: N/A

Description of Sample: Black loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 22.2 Hg: 0 +/- 10.2 Rb: 21.5 +/- 4.3

Co: 0 +/- 246 Mo: 0 +/- 6.7 Se: 0 +/- 7.1

Cr: 0 +/- 212 Mn: 1,270.0 +/- 176 Sr: 100.5 +/- 8.5

Cu: 40.4 +/- 25.5 Ni: 0 +/- 55 Zn: 483.5 +/- 45

Fe: 19,800 +/- 500 Pb: 142.1 +/- 20.9 Zr: 93.6 +/- 11.1

### Weather Conditions:

Skies: PC Temp: 15 deg F Wind: NW 8 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

Revised 11/25/13

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Chicago, IL 60601

## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 32

GPS Coordinates (UTM): 454063 Northing 4617725 Easting

Wipe Samples Sample Time: 7:30

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isotane         | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Lower left corner of bus sign NW of S Commercial and E 102nd St

Bulk Soil Sample: 32 / 0-0.5' Time: 7:30

Duplicate: N/A Time: N/A

Description of Sample: Black silty loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 24.2 Hg: 0 +/- 8.4 Rb: 26.8 +/- 3.8

Co: 0 +/- 253 Mo: 0 +/- 5.3 Se: 0 +/- 6.4

Cr: 0 +/- 191 Mn: 855.6 +/- 125.6 Sr: 127.1 +/- 7.7

Cu: 85.3 +/- 24.6 Ni: 0 +/- 45.1 Zn: 1482 +/- 62

Fe: 31,500 +/- 500 Pb: 278.5 +/- 22.9 Zr: 82 +/- 8.8

### Weather Conditions:

Skies: PC Temp: 15 deg F Wind: NW 8 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 1

GPS Coordinates (UTM): 451818 Northing 4619107 Easting

Wipe Samples Sample Time: 7:56

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isoctane        | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Rear of bus shelter over CoC emblem SW of intersection

Bulk Soil Sample: 1 / 0-0.5' Time: 7:57

Duplicate: N/A Time: N/A

Description of Sample: Brown sandy loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 22.8 Hg: 0 +/- 11.8 Rb: 51.3 +/- 6.9

Co: 0 +/- 324 Mo: 0 +/- 7.2 Se: 0 +/- 7.7

Cr: 0 +/- 220 Mn: 487.1 +/- 137.9 Sr: 92.8 +/- 9.1

Cu: 75.7 +/- 31.5 Ni: 0 +/- 64.1 Zn: 220.4 +/- 35.1

Fe: 27,200 +/- 700 Pb: 126.6 +/- 21.9 Zr: 136.5 +/- 13.7

### Weather Conditions:

Skies: PC Temp: 15 deg F Wind: NW 10 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 2

GPS Coordinates (UTM): 452407 Northing 4618788 Easting

Wipe Samples Sample Time: 8:25

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

Sampling Media: Solvent: Surface Area Measurement:

|              |   |                 |   |                |   |
|--------------|---|-----------------|---|----------------|---|
| Ghost Wipe   | X | Pre-Moistened   | X | Template       | X |
| Cotton Gauze | X | Distilled Water |   | Measured Area  |   |
| Filter Paper |   | Isoctane        | X | Estimated Area |   |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: SE portion of retainment wall in southern portion of park

Bulk Soil Sample: 2 / 0-0.5' Time: 8:25

Duplicate: N/A Time: N/A

Description of Sample: Brown silty loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 15.4 Hg: 0 +/- 8.7 Rb: 53.9 +/- 5.7

Co: 179.3 +/- 187 Mo: 0 +/- 5.9 Se: 0 +/- 6.4

Cr: 175.8 +/- 115.5 Mn: 189.2 +/- 80.4 Sr: 89.2 +/- 7.3

Cu: 0 +/- 30.3 Ni: 0 +/- 45.6 Zn: 160.8 +/- 20.9

Fe: 13,700 +/- 400 Pb: 76.4 +/- 14.6 Zr: 137.6 +/- 11.2

### Weather Conditions:

Skies: PC Temp: 15 deg F Wind: NW 10 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

Revised 11/25/13

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## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 99A

GPS Coordinates (UTM): 452953 Northing 4619103 Easting

Wipe Samples Sample Time: 8:47

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isoctane        | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: End of retainment wall near centrally located pine tree

Bulk Soil Sample: 99A / 0-0.5' Time: 8:48

Duplicate: N/A Time: N/A

Description of Sample: Brown silty loam

Near Surface Stained Soil/Stressed Vegetation Asphalt? Yes \_\_\_\_\_ If Yes, Distance: 3 ft

### XRF Compositional Data:

As: 0 +/- 19.8 Hg: 0 +/- 8.4 Rb: 24.6 +/- 4.1

Co: 179.3 +/- 111.4 Mo: 0 +/- 5.7 Se: 0 +/- 5.9

Cr: 0 +/- 165 Mn: 294.9 +/- 88.9 Sr: 64.7 +/- 6.3

Cu: 0 +/- 30.2 Ni: 0 +/- 40.6 Zn: 195.1 +/- 26.9

Fe: 9,613 +/- 324 Pb: 119.3 +/- 17.4 Zr: 80.4 +/- 9.2

### Weather Conditions:

Skies: PC Temp: 16 deg F Wind: NW 10 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 3

GPS Coordinates (UTM): 453045 Northing 4618642 Easting

Wipe Samples Sample Time: 9:10

Duplicate: N/A Time: N/A

Field Blank: Field Blank-2 Time: 9:10

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isoctane        | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Plastic, Metal, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: SW retainment wall of playground equipment

Bulk Soil Sample: 3 / 0-0.5' Time: 9:10

Duplicate: N/A Time: N/A

Description of Sample: Brown loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 27.1 +/- 9.4 Hg: 0 +/- 7.8 Rb: 44.4 +/- 5.1

Co: 0 +/- 163 Mo: 0 +/- 6.0 Se: 0 +/- 5.3

Cr: 0 +/- 158 Mn: 186.7 +/- 75.7 Sr: 60 +/- 6

Cu: 53.9 +/- 22.2 Ni: 34.5 +/- 43.2 Zn: 122.8 +/- 21.8

Fe: 10,400 +/- 300 Pb: 35.3 +/- 10.7 Zr: 165.1 +/- 11.5

### Weather Conditions:

Skies: PC Temp: 18 deg F Wind: NW 14 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 12

GPS Coordinates (UTM): 453035 Northing 4618310 Easting

Wipe Samples Sample Time: 9:45

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isoctane        | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Lower right corner of bus sign as facing N on Yates Ave

Bulk Soil Sample: 12 / 0-0.5' Time: 9:45

Duplicate: N/A Time: N/A

Description of Sample: Brown to black loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 17.3 Hg: 0 +/- 6.0 Rb: 25.8 +/- 3.1

Co: 0 +/- 136 Mo: 0 +/- 3.9 Se: 0 +/- 4.6

Cr: 153.5 +/- 83 Mn: 454.2 +/- 76 Sr: 98.3 +/- 5.6

Cu: 34.2 +/- 15.5 Ni: 34.5 +/- 22.4 Zn: 224.3 +/- 20.9

Fe: 13,500 +/- 300 Pb: 195 +/- 15.8 Zr: 81.4 +/- 7

### Weather Conditions:

Skies: PC Temp: 18 deg F Wind: NW 14 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 21

GPS Coordinates (UTM): 452745 Northing 4618023 Easting

Wipe Samples Sample Time: 10:10

Duplicate: DUP-3A Time: ---

Field Blank: N/A Time: N/A

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isoctane        | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Bench north of southern entrance along Luella Ave

Bulk Soil Sample: 21 / 0-0.5' Time: 10:10

Duplicate: N/A Time: N/A

Description of Sample: Brown sandy loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 13.8 Hg: 0 +/- 7.4 Rb: 48.0 +/- 5

Co: 0 +/- 186 Mo: 0 +/- 5.3 Se: 0 +/- 5.2

Cr: 180.3 +/- 109.7 Mn: 656.7 +/- 111.1 Sr: 81.7 +/- 6.5

Cu: 35.1 +/- 19.8 Ni: 0 +/- 44.1 Zn: 171.5 +/- 23.6

Fe: 13,800 +/- 400 Pb: 83.7 +/- 13.9 Zr: 128.8 +/- 10.1

### Weather Conditions:

Skies: PC Temp: 20 deg F Wind: NW 14 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

Revised 11/25/13

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## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 37

GPS Coordinates (UTM): 452962 Northing 4617484 Easting

Wipe Samples Sample Time: 10:52

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isoctane        | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: West bench of NW baseball diamond, along Oglesby

Bulk Soil Sample: 37 / 0-0.5' Time: 10:52

Duplicate: N/A Time: N/A

Description of Sample: Brown silty loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 14.7 Hg: 0 +/- 9.7 Rb: 45.7 +/- 6.2

Co: 0 +/- 216 Mo: 0 +/- 6.7 Se: 0 +/- 7.5

Cr: 0 +/- 191 Mn: 346.2 +/- 110.7 Sr: 69.2 +/- 7.5

Cu: 0 +/- 36 Ni: 0 +/- 48.9 Zn: 175.7 +/- 30.1

Fe: 14,700 +/- 500 Pb: 30.9 +/- 12.3 Zr: 168.7 +/- 13.9

### Weather Conditions:

Skies: PC Temp: 22 deg F Wind: NW 13 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

# WEAVER BOOS CONSULTANTS

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 29

GPS Coordinates (UTM): 453025 Northing 4617736 Easting

Wipe Samples Sample Time: 10:40

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

Sampling Media:

Solvent:

Surface Area Measurement:

|              |   |                 |   |                |   |
|--------------|---|-----------------|---|----------------|---|
| Ghost Wipe   | X | Pre-Moistened   | X | Template       | X |
| Cotton Gauze | X | Distilled Water |   | Measured Area  |   |
| Filter Paper |   | Isoctane        | X | Estimated Area |   |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Lower right corner of bus sign SE of intersection

Bulk Soil Sample: 29 / 0-0.5' Time: 10:40

Duplicate: N/A Time: N/A

Description of Sample: Brown loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 18.7 Hg: 0 +/- 7.7 Rb: 38.5 +/- 5

Co: 0 +/- 208 Mo: 0 +/- 6 Se: 0 +/- 6.6

Cr: 179.8 +/- 119.8 Mn: 563 +/- 114.1 Sr: 97.2 +/- 7.6

Cu: 0 +/- 29.2 Ni: 0 +/- 48.4 Zn: 200.5 +/- 27.3

Fe: 16,300 +/- 400 Pb: 103.9 +/- 16.5 Zr: 136.4 +/- 11.3

### Weather Conditions:

Skies: PC Temp: 20 deg F Wind: N/NW 13 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist

Revised 11/25/13

# WEAVER BOOS CONSULTANTS

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Sampling Field Form

Date: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID A

Sample ID: 31

GPS Coordinates (UTM): 453442 Northing 4617708 Easting

Wipe Samples Sample Time: 11:10

Duplicate: N/A Time: N/A

Field Blank: N/A Time: N/A

| Sampling Media: | Solvent:        | Surface Area Measurement: |
|-----------------|-----------------|---------------------------|
| Ghost Wipe      | Pre-Moistened   | Template                  |
| Cotton Gauze    | Distilled Water | Measured Area             |
| Filter Paper    | Isotane         | Estimated Area            |

Other: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

Surface Type (Circle One): Metal, Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Lower right corner of bus sign on Torrence Ave when facing west

Bulk Soil Sample: 31 / 0-0.5' Time: 11:10

Duplicate: N/A Time: N/A

Description of Sample: Brown sandy loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: No If Yes, Distance: \_\_\_\_\_

### XRF Compositional Data:

As: 0 +/- 22.4 Hg: 0 +/- 10.2 Rb: 19.7 +/- 4.2

Co: 0 +/- 286 Mo: 0 +/- 7 Se: 0 +/- 6.8

Cr: 445.1 +/- 180.3 Mn: 1,360 +/- 187 Sr: 120.2 +/- 9.3

Cu: 78.6 +/- 30.5 Ni: 90.9 +/- 42.5 Zn: 544.4 +/- 48

Fe: 26,900 +/- 600 Pb: 157.3 +/- 21.9 Zr: 136.6 +/- 12.8

### Weather Conditions:

Skies: PC Temp: 23 deg F Wind: N/NW 14 mph

Precipitation: None

Additional Notes: \_\_\_\_\_

Sampler(s): Sam Cantor

Title(s): Project Geologist