

# 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: P

Sample ID: 114

GPS Coordinates (UTM): 454707 Northing 4607216 Easting

Wipe Samples Sample Time: 15:40

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: NW corner of W concrete walled garden north of school

Bulk Soil Sample: 114 / 0-0.5' Time: 15:45

Duplicate: N/A Time: N/A

Description of Sample: Black loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 2 ft

### XRF Compositional Data (ppm):

As: 0 +/- 10.8 Hg: 0 +/- 7.8 Rb: 33.3 +/- 4.3

Co: 0 +/- 119 Mn: 156.3 +/- 67 Se: 0.0 +/- 5.1

Cr: 0 +/- 140 Mo: 0 +/- 5.4 Sr: 73.4 +/- 6.2

Cu: 0 +/- 27 Ni: 0 +/- 38.6 Zn: 84.3 +/- 18

Fe: 6,535 +/- 248 Pb: 30 +/- 9.6 Zr: 146.1 +/- 10.5

### Weather Conditions:

Skies: C Temp: 27 deg F Wind: N/NW 5 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: P

Sample ID: 113

GPS Coordinates (UTM): 449717 Northing 4603660 Easting

Wipe Samples Sample Time: 16:40

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: W bench of SE baseball diamond

Bulk Soil Sample: 113 / 0-0.5' Time: 16:45

Duplicate: N/A Time: N/A

Description of Sample: Brown to black loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 5 ft

### XRF Compositional Data (ppm):

As: 0 +/- 12.9 Hg: 0 +/- 8.5 Rb: 53.1 +/- 5.6

Co: 0 +/- 163 Mn: 110.8 +/- 67 Se: 0.0 +/- 5.6

Cr: 0 +/- 140 Mo: 0 +/- 5.8 Sr: 73.7 +/- 6.6

Cu: 33.7 +/- 20.7 Ni: 0 +/- 43.2 Zn: 522.8 +/- 41

Fe: 10,400 +/- 300 Pb: 43.6 +/- 11.5 Zr: 138.4 +/- 10.9

### Weather Conditions:

Skies: C Temp: 27 deg F Wind: N/NW 5 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: P

Sample ID: 118

GPS Coordinates (UTM): 451646 Northing 4608769 Easting

Wipe Samples Sample Time: 16:10

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: Bench south of playground

Bulk Soil Sample: 118 / 0-0.5' Time: 16:15

Duplicate: N/A Time: N/A

Description of Sample: Brown to black loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 20 ft

### XRF Compositional Data (ppm):

As: 0 +/- 11.6 Hg: 0 +/- 6.9 Rb: 38.3 +/- 4.2

Co: 0 +/- 133 Mn: 188.2 +/- 166 Se: 0.0 +/- 4.9

Cr: 0 +/- 132 Mo: 0 +/- 4.9 Sr: 74.1 +/- 5.7

Cu: 29.8 +/- 17.8 Ni: 0 +/- 37.7 Zn: 117.8 +/- 18.9

Fe: 9,766 +/- 279 Pb: 49.4 +/- 10.5 Zr: 74 +/- 7.8

### Weather Conditions:

Skies: C Temp: 37 deg F Wind: N/NW 5 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: 11/27/2013Project: Quinn EmanuelLocation: Chicago, ILProject #: 3682-300-07Group ID: FSample ID: 98GPS Coordinates (UTM): 455480 Northing 4617711 EastingWipe Samples Sample Time: 14:25Duplicate: N/A Time: N/AField 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, OtherDescription of Location: Bottom left corner of SE bus signBulk Soil Sample: 98 / 0-0.5' Time: 14:30Duplicate: N/A Time: N/ADescription of Sample: Dark brown loamNear Surface Stained Soil/Stressed Vegetation/Asphalt? Yes If Yes, Distance: 2 ft**XRF Compositional Data (ppm):**As: 0 +/- 28 Hg: 0 +/- 7.9 Rb: 40.3 +/- 4.9Co: 0 +/- 237 Mn: 1,442 +/- 164.0 Se: 0.0 +/- 6.7Cr: 417.2 +/- 149.5 Mo: 0 +/- 5.8 Sr: 94.5 +/- 7.2Cu: 45.8 +/- 22.5 Ni: 64.7 +/- 34.2 Zn: 345 +/- 33.6Fe: 24,000 +/- 500 Pb: 315.7 +/- 26.2 Zr: 137 +/- 10.9**Weather Conditions:**Skies: C Temp: 37 deg F Wind: N/NW 3 mphPrecipitation: None

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

Sampler(s): Sam CantorTitle(s): Project Geologist

Revised 11/25/13

**WEAVER BOOS CONSULTANTS**

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

**Sampling Field Form**Date: 11/27/2013Project: Quinn EmanuelLocation: Chicago, ILProject #: 3682-300-07Group ID: FSample ID: 43GPS Coordinates (UTM): 455458 Northing 4617533 EastingWipe Samples Sample Time: 14:10Duplicate: N/A Time: N/AField 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, OtherDescription of Location: Bottom left corner of SE bus signBulk Soil Sample: 43 / 0-0.5' Time: 14:15Duplicate: N/A Time: N/ADescription of Sample: Dark brown loamNear Surface Stained Soil/Stressed Vegetation/Asphalt? Yes If Yes, Distance: 2 ft**XRF Compositional Data (ppm):**As: 0 +/- 44.7 Hg: 0 +/- 10.0 Rb: 21.2 +/- 4.4Co: 0 +/- 317 Mn: 2,964 +/- 261.0 Se: 0.0 +/- 8.3Cr: 445.1 +/- 185 Mo: 0 +/- 6.6 Sr: 99.4 +/- 8.5Cu: 48.3 +/- 27.3 Ni: 0 +/- 59.4 Zn: 656.2 +/- 51.8Fe: 33,500 +/- 700 Pb: 619.4 +/- 41.4 Zr: 111.9 +/- 11.8**Weather Conditions:**Skies: C Temp: 40 deg F Wind: N/NW 3 mphPrecipitation: None

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

Sampler(s): Sam CantorTitle(s): Project Geologist

Revised 11/25/13

**WEAVER BOOS CONSULTANTS**

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

**Sampling Field Form**Date: 11/27/2013Project: Quinn EmanuelLocation: Chicago, ILProject #: 3682-300-07Group ID: ASample ID: 18GPS Coordinates (UTM): 454160 Northing 4618346 EastingWipe Samples Sample Time: 13:40Duplicate: N/A Time: N/AField Blank: Field Blank-3A Time: 13:50

| 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, OtherDescription of Location: Bottom left corner of SE bus signBulk Soil Sample: 18 / 0-0.5' Time: 13:45Duplicate: N/A Time: N/ADescription of Sample: Dark brown silty loamNear Surface Stained Soil/Stressed Vegetation/Asphalt? Yes \_\_\_\_\_ If Yes, Distance: 2 ft**XRF Compositional Data (ppm):**As: 0 +/- 35.4 Hg: 0 +/- 9.1 Rb: 20.1 +/- 4.3Co: 0 +/- 287 Mn: 772.8 +/- 150.5 Se: 0.0 +/- 8.5Cr: 367.5 +/- 169.7 Mo: 0 +/- 6.5 Sr: 80.9 +/- 7.9Cu: 61.7 +/- 27.4 Ni: 0 +/- 53.2 Zn: 492.2 +/- 46.1Fe: 24,600 +/- 600 Pb: 346 +/- 32 Zr: 58.8 +/- 9.8**Weather Conditions:**Skies: C Temp: 40 deg F Wind: N/NW 3 mph  
Precipitation: None

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

Sampler(s): Sam CantorTitle(s): Project Geologist

Revised 11/25/13

**WEAVER BOOS CONSULTANTS**

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

**Sampling Field Form**Date: 11/27/2013Project: Quinn EmanuelLocation: Chicago, ILProject #: 3682-300-07Group ID: ASample ID: 6GPS Coordinates (UTM): 453788 Northing 4618553 EastingWipe Samples Sample Time: 13:20Duplicate: N/ATime: N/AField Blank: N/ATime: 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, OtherDescription of Location: Bench at SE corner of playfieldBulk Soil Sample: 6 / 0-0.5'Time: 13:25Duplicate: N/ATime: N/ADescription of Sample: Dark brown to brown silty loamNear Surface Stained Soil/Stressed Vegetation/Asphalt? Yes If Yes, Distance: 2 ft**XRF Compositional Data (ppm):**As: 0 +/- 17.9 Hg: 0 +/- 8.7 Rb: 32.1 +/- 4.3Co: 0 +/- 212 Mn: 761.6 +/- 120.9 Se: 7.1 +/- 4.6Cr: 0 +/- 151 Mo: 0 +/- 5.5 Sr: 79.4 +/- 6.5Cu: 59.5 +/- 22.8 Ni: 0 +/- 45.5 Zn: 297.1 +/- 30.7Fe: 19,200 +/- 400 Pb: 112.9 +/- 16.2 Zr: 96.5 +/- 9.4**Weather Conditions:**Skies: C Temp: 28 deg F Wind: N/NW 5 mphPrecipitation: None

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

Sampler(s): Sam CantorTitle(s): Project Geologist

Revised 11/25/13

**WEAVER BOOS CONSULTANTS**

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

**Sampling Field Form**Date: 11/27/2013Project: Quinn EmanuelLocation: Chicago, ILProject #: 3682-300-07Group ID: CSample ID: 88GPS Coordinates (UTM): 451659 Northing 4617575 EastingWipe Samples Sample Time: 12:45Duplicate: N/A Time: N/AField 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, OtherDescription of Location: W/SW bus stop, S side of eastern glass wall panelBulk Soil Sample: 88 / 0-0.5' Time: 12:50Duplicate: N/A Time: N/ADescription of Sample: Brown to black silty loamNear Surface Stained Soil/Stressed Vegetation/Asphalt? Yes If Yes, Distance: 3 ft**XRF Compositional Data (ppm):**As: 0 +/- 11.1 Hg: 0 +/- 7.5 Rb: 45.7 +/- 5.1Co: 0 +/- 164 Mn: 199.7 +/- 75.9 Se: 0.0 +/- 5.6Cr: 0 +/- 152 Mo: 0 +/- 5.6 Sr: 66.8 +/- 6.1Cu: 0 +/- 28.8 Ni: 0 +/- 39.2 Zn: 96.7 +/- 19.5Fe: 11,300 +/- 600 Pb: 32.4 +/- 10.2 Zr: 199.9 +/- 12.2**Weather Conditions:**Skies: C Temp: 28 deg F Wind: N/NW 5 mph  
Precipitation: NoneAdditional Notes: Cigarette butts near soil sample locationSampler(s): Sam CantorTitle(s): Project Geologist

Revised 11/25/13