

# WEAVER BOOS CONSULTANTS

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 44

GPS Coordinates (UTM): 453090 Northing 4617267 Easting

Wipe Samples Sample Time: 16:15

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: Corner of playground barrier close to Trumbull Park building.

Bulk Soil Sample: 44 / 0-0.5' Time: 16:15

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 +/- 19.6 Hg: 0 +/- 10.6 Rb: 38.4 +/- 6.6  
Co: 0 +/- 239 Mo: 0 +/- 7.7 Se: 0 +/- 9.5  
Cr: 0 +/- 217 Mn: 307.9 +/- 121.4 Sr: 77.2 +/- 9.1  
Cu: 0 +/- 30.2 Ni: 0 +/- 66.6 Zn: 158.7 +/- 33.1  
Fe: 12,700 +/- 500 Pb: 57.8 +/- 17.6 Zr: 127 +/- 14.5

### Weather Conditions:

Skies: Cloudy Temp: 30 deg F Wind: N/NW 11 mph  
Precipitation: None

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

Sampler(s): Sam Cantor

Title(s): Project Geologist

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Chicago, IL 60601

## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 46

GPS Coordinates (UTM): 453575 Northing 4617336 Easting

Wipe Samples Sample Time: 16:35

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 R.R. crossing

Bulk Soil Sample: 46 / 0-0.5' Time: 16:35

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 +/- 23.5 Hg: 0 +/- 12.8 Rb: 19.7 +/- 5.7

Co: 386.8 +/- 205.4 Mo: 0 +/- 9 Se: 0 +/- 10.6

Cr: 310.5 +/- 204.4 Mn: 1,177 +/- 230 Sr: 105.4 +/- 11.8

Cu: 0 +/- 52.6 Ni: 0 +/- 76.9 Zn: 268 +/- 46.9

Fe: 13,700 +/- 600 Pb: 85.4 +/- 23 Zr: 67.4 +/- 13.8

### Weather Conditions:

Skies: Cloudy Temp: 30 deg F Wind: N/NW 11 mph

Precipitation: None

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

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 53

GPS Coordinates (UTM): 453688 Northing 4616937 Easting

Wipe Samples Sample Time: 15:30

Duplicate: DUP-2A Time: 15:30

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 stop sign

Bulk Soil Sample: 53 / 0-0.5' Time: 15:30

Duplicate: DUP-2A Time: 15:30

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 14.3 Hg: 0 +/- 11.8 Rb: 65.1 +/- 8.1

Co: 0 +/- 273 Mo: 0 +/- 8.3 Se: 0 +/- 9.3

Cr: 0 +/- 237 Mn: 329.5 +/- 124.4 Sr: 69.1 +/- 8.4

Cu: 0 +/- 41.4 Ni: 0 +/- 68.5 Zn: 110.8 +/- 28.3

Fe: 16,900 +/- 600 Pb: 24.3 +/- 13.1 Zr: 336.2 +/- 20.5

### Weather Conditions:

Skies: Cloudy Temp: 33 deg F Wind: N/NW 13 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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 55

GPS Coordinates (UTM): 454292 Northing 4616910 Easting

Wipe Samples Sample Time: 14:50

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: Bus sign (that is bent) located on the Adelman's Truck & Equipment side

Bulk Soil Sample: 55 / 0-0.5' Time: 14:51

Duplicate: N/A Time: N/A

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 41.1 Hg: 0 +/- 15.0 Rb: 11.2 +/- 4.9

Co: 948.1 +/- 396.2 Mo: 0 +/- 9.8 Se: 0 +/- 10.8

Cr: 0 +/- 394 Mn: 5,088 +/- 476 Sr: 107 +/- 12.4

Cu: 138.7 +/- 50.7 Ni: 211.6 +/- 88.1 Zn: 520.8 +/- 66.2

Fe: 50,900 +/- 1,200 Pb: 258.4 +/- 38.6 Zr: 96 +/- 15.9

### Weather Conditions:

Skies: Cloudy Temp: 34 deg F Wind: NW 10 mph

Precipitation: Snow Flurries

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

Sampler(s): Sam Cantor

Title(s): Project Geologist

# WEAVER BOOS CONSULTANTS

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Chicago, IL 60601

## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID F

Sample ID: 56

GPS Coordinates (UTM): 454870 Northing 4616925 Easting

Wipe Samples Sample Time: 10:15

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: Fire hydrant located next to bus stop #26 and #100

Bulk Soil Sample: 56 / 0-0.5' Time: 10:15

Duplicate: N/A Time: N/A

Description of Sample: Black loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 1 foot

### XRF Compositional Data:

As: 0 +/- 29.4 Hg: 0 +/- 12.2 Rb: 19.4 +/- 4.7

Co: 0 +/- 451 Mo: 0 +/- 7.5 Se: 0 +/- 7.5

Cr: 369.1 +/- 211.9 Mn: 1,340 +/- 217 Sr: 125.1 +/- 10.6

Cu: 68.7 +/- 33.4 Ni: 116.6 +/- 53.7 Zn: 504.3 +/- 51.9

Fe: 53,700 +/- 900 Pb: 182.8 +/- 26.2 Zr: 80.4 +/- 12.3

### Weather Conditions:

Skies: Cloudy Temp: 34 deg F Wind: W/SW 5 mph

Precipitation: None

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

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID F

Sample ID: 57

GPS Coordinates (UTM): 455344 Northing 4616927 Easting

Wipe Samples Sample Time: 10:35

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: Concrete barrier on edge of the playground on the 106th Street side.

Bulk Soil Sample: 57 / 0-0.5' Time: 10:35

Duplicate: N/A Time: N/A

Description of Sample: Black loam/ mulch

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

### XRF Compositional Data:

As: 0 +/- 15.8 Hg: 0 +/- 8.4 Rb: 27.1 +/- 4.5

Co: 0 +/- 170 Mo: 0 +/- 6.1 Se: 0 +/- 6.9

Cr: 0 +/- 154 Mn: 285.5 +/- 91.2 Sr: 47.9 +/- 5.8

Cu: 0 +/- 31.7 Ni: 0 +/- 46.3 Zn: 170.3 +/- 26.7

Fe: 10,100 +/- 300 Pb: 74.2 +/- 15.2 Zr: 102.8 +/- 10.4

### Weather Conditions:

Skies: Cloudy Temp: 35 deg F Wind: W/SW 7 mph

Precipitation: None

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

Sampler(s): Sam Cantor

Title(s): Project Geologist

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## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID F

Sample ID: 58

GPS Coordinates (UTM): 455653 Northing 4616899 Easting

Wipe Samples Sample Time: 11:03

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: G&R Realty concrete window ledge located by Avenue H and 106th Street

Bulk Soil Sample: 58 / 0-0.5' Time: 11:03

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 +/- 18.2 Hg: 0 +/- 10.7 Rb: 23.9 +/- 4.6

Co: 0 +/- 249 Mo: 0 +/- 6.5 Se: 0 +/- 7.5

Cr: 284.3 +/- 157.1 Mn: 796.3 +/- 151.3 Sr: 80.4 +/- 7.9

Cu: 0 +/- 36.3 Ni: 68.3 +/- 38.6 Zn: 337.3 +/- 39.4

Fe: 20,100 +/- 500 Pb: 73.6 +/- 16.4 Zr: 102.6 +/- 11.6

### Weather Conditions:

Skies: Cloudy Temp: 36 deg F Wind: W/SW 7 mph

Precipitation: None

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

Sampler(s): Sam Cantor

Title(s): Project Geologist

Revised 11/25/13

# WEAVER BOOS CONSULTANTS

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Chicago, IL 60601

## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 60

GPS Coordinates (UTM): 453335 Northing 4616735 Easting

Wipe Samples Sample Time: 16:05

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: At the lower right corner of the stop sign located on Hoxie Street

Bulk Soil Sample: 60 / 0-0.5' Time: 16:05

Duplicate: \_\_\_\_\_ Time: \_\_\_\_\_

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 33 Hg: 0 +/- 13.6 Rb: 14.9 +/- 5.6

Co: 493 +/- 210.6 Mo: 0 +/- 9.4 Se: 0 +/- 8.8

Cr: 0 +/- 174 Mn: 625.2 +/- 187.3 Sr: 63.8 +/- 10.3

Cu: 0 +/- 50.7 Ni: 0 +/- 82.9 Zn: 247.5 +/- 48.9

Fe: 11,000 +/- 600 Pb: 150.1 +/- 31.5 Zr: 94.4 +/- 15.9

### Weather Conditions:

Skies: Cloudy Temp: 31 deg F Wind: N/NW 14 mph

Precipitation: None

Additional Notes: Original location 52 inaccessible due to gate being located

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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID F

Sample ID: 65

GPS Coordinates (UTM): 456043 Northing 4616716 Easting

Wipe Samples Sample Time: 11:55

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		Distilled Water		Measured Area	
Filter Paper		Isocane	X	Estimated Area	

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

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

Description of Location: Bottom left corner of sign in John "Beans" Beniac Greenway Park

Bulk Soil Sample: 65 / 0-0.5' Time: 11:55

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 +/- 31.2 Hg: 0 +/- 12.0 Rb: 25.7 +/- 5.3

Co: 0 +/- 285 Mo: 0 +/- 7.2 Se: 0 +/- 7.5

Cr: 278.2 +/- 169.9 Mn: 524.9 +/- 142.9 Sr: 83.6 +/- 8.9

Cu: 0 +/- 41.4 Ni: 0 +/- 60.8 Zn: 279.1 +/- 39.6

Fe: 20,100 +/- 600 Pb: 200.7 +/- 27.5 Zr: 103.8 +/- 12.8

### Weather Conditions:

Skies: Cloudy Temp: 34 deg F Wind: W/SW 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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID F

Sample ID: 69

GPS Coordinates (UTM): 454781 Northing 4616502 Easting

Wipe Samples Sample Time: 9:45

Duplicate: DUP-1A Time: 9:50

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: Concrete barrier around the swings located in Wolfe Playground Park

Bulk Soil Sample: 69 / 0-0.5' Time: 9:45

Duplicate: DUP-1A Time: 9:53

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 21.2 Hg: 0 +/- 12.9 Rb: 42.7 +/- 7.1

Co: 0 +/- 244 Mo: 0 +/- 7.7 Se: 0 +/- 9.0

Cr: 0 +/- 220 Mn: 598.2 +/- 157 Sr: 76.6 +/- 9.4

Cu: 0 +/- 44.2 Ni: 0 +/- 66.9 Zn: 168.6 +/- 35.1

Fe: 11,500 +/- 500 Pb: 61.2 +/- 18.4 Zr: 110.3 +/- 14.2

### Weather Conditions:

Skies: Cloudy Temp: 34 deg F Wind: W/SW 5 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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 73- ALT

GPS Coordinates (UTM): 454949 Northing 4616103 Easting

Wipe Samples Sample Time: 14:32

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: At the stop sign located at Green Bay (wipe sample over stop sign graffiti)

Bulk Soil Sample: 73 / 0-0.5' Time: 14:32

Duplicate: \_\_\_\_\_ Time: \_\_\_\_\_

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 17.8 Hg: 0 +/- 10.8 Rb: 27.3 +/- 6.4

Co: 0 +/- 236 Mo: 0 +/- 8.5 Se: 0 +/- 9.5

Cr: 0 +/- 221 Mn: 633.0 +/- 174 Sr: 79.5 +/- 10.4

Cu: 53.6 +/- 34.3 Ni: 0 +/- 63.8 Zn: 161.1 +/- 37

Fe: 9,196 +/- 480 Pb: 27.7 +/- 15.5 Zr: 76.4 +/- 13.9

### Weather Conditions:

Skies: Cloudy Temp: 35 deg F Wind: NW 10 mph

Precipitation: None

Additional Notes: Original location 72 inaccessible due to locked baseball diamond

Sampler(s): Sam Cantor

Title(s): Project Geologist

# WEAVER BOOS CONSULTANTS

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 75- ALT

GPS Coordinates (UTM): 455634 Northing 4616247 Easting

Wipe Samples Sample Time: 12:50

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: Sample collected from the metal strip under the arm rest of park bench.

Bulk Soil Sample: 75 / 0-0.5' Time: 12:50

Duplicate: \_\_\_\_\_ Time: \_\_\_\_\_

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 9.9 Hg: 0 +/- 6.8 Rb: 32.2 +/- 4.2

Co: 0 +/- 137 Mo: 0 +/- 5.4 Se: 0 +/- 4.9

Cr: 0 +/- 140 Mn: 264.7 +/- 78.2 Sr: 53.2 +/- 5.4

Cu: 0 +/- 24.9 Ni: 0 +/- 40.2 Zn: 100.1 +/- 19

Fe: 8,537 +/- 284 Pb: 25.0 +/- 9.1 Zr: 172.4 +/- 11.1

### Weather Conditions:

Skies: \_\_\_\_\_ Temp: \_\_\_\_\_ deg F Wind: \_\_\_\_\_

Precipitation: \_\_\_\_\_

Additional Notes: Original location 78 inaccessible due to being locked. Measured area: 25cm x 4cm

Sampler(s): Sam Cantor

Title(s): Project Geologist

# WEAVER BOOS CONSULTANTS

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 76

GPS Coordinates (UTM): 456146 Northing 4616310 Easting

Wipe Samples Sample Time: 12:20

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 stop #100 (Jeff Manor Express) at 109th/Avenue C

Bulk Soil Sample: 76 / 0-0.5' Time: 12:20

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 +/- 20.9 Hg: 0 +/- 8.9 Rb: 30.3 +/- 4.6

Co: 0 +/- 246 Mo: 0 +/- 6.1 Se: 0 +/- 6.3

Cr: 0 +/- 176 Mn: 610.0 +/- 133.3 Sr: 73.8 +/- 7.8

Cu: 36 +/- 23.3 Ni: 0 +/- 51.3 Zn: 283.3 +/- 32.3

Fe: 18,300 +/- 500 Pb: 121.2 +/- 19.1 Zr: 80.9 +/- 10.4

### Weather Conditions:

Skies: Cloudy Temp: 36 deg F Wind: W/NW 9 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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 79

GPS Coordinates (UTM): 456140 Northing 4615905 Easting

Wipe Samples Sample Time: 12:30

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 right corner of Bus stop #100 (Jeff Manor Express) at Avenue C and 111th Street

Bulk Soil Sample: 79 / 0-0.5' Time: 12:30

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: 18.8 +/- 10.8 Hg: 0 +/- 7.4 Rb: 25.8 +/- 4.1

Co: 0 +/- 151 Mo: 0 +/- 5.6 Se: 0 +/- 6

Cr: 0 +/- 160 Mn: 335.0 +/- 89.9 Sr: 67.4 +/- 6.3

Cu: 0 +/- 26.2 Ni: 0 +/- 40.3 Zn: 192 +/- 26

Fe: 9,414 +/- 314 Pb: 69.0 +/- 13.7 Zr: 76.7 +/- 8.9

### Weather Conditions:

Skies: Cloudy Temp: 36 deg F Wind: W/NW 9 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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 81

GPS Coordinates (UTM): 455265 Northing 4615713 Easting

Wipe Samples Sample Time: 13:10

Duplicate: N/A Time: N/A

Field Blank: Field Blank-1A Time: 13:10

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): Metal Plastic, Glass, Painted Wood, Wood, Concrete, Painted Concrete, Other

Description of Location: Lower left corner of bus stop sign located at Avenue M and East 112th Street.

Bulk Soil Sample: 81 / 0-0.5' Time: 13:10

Duplicate: \_\_\_\_\_ Time: \_\_\_\_\_

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 28.9 Hg: 0 +/- 15.0 Rb: 30.3 +/- 7.6

Co: 0 +/- 285 Mo: 0 +/- 9.9 Se: 0 +/- 9.2

Cr: 0 +/- 297 Mn: 701.1 +/- 206.9 Sr: 90.6 +/- 12.4

Cu: 0 +/- 50.8 Ni: 0 +/- 74.6 Zn: 296.9 +/- 54.9

Fe: 11,800 +/- 600 Pb: 94.9 +/- 26.8 Zr: 98.3 +/- 17

### Weather Conditions:

Skies: \_\_\_\_\_ Temp: \_\_\_\_\_ deg F Wind: \_\_\_\_\_

Precipitation: \_\_\_\_\_

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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 82

GPS Coordinates (UTM): 455068 Northing 4615280 Easting

Wipe Samples Sample Time: 13:33

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: Back of the bus shelter (Bus ID stop: 30 South Chicago Line) on Elen Buoscio Way

Bulk Soil Sample: 82 / 0-0.5' Time: 13:33

Duplicate: N/A Time: N/A

Description of Sample: Black loam

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

### XRF Compositional Data:

As: 0 +/- 16.4 Hg: 0 +/- 8.3 Rb: 22.6 +/- 4.0

Co: 0 +/- 155 Mo: 0 +/- 5.8 Se: 0 +/- 6.4

Cr: 0 +/- 166 Mn: 325.7 +/- 93.3 Sr: 59.2 +/- 6.2

Cu: 0 +/- 30.1 Ni: 53.5 +/- 31.2 Zn: 188.7 +/- 27.2

Fe: 9,685 +/- 333 Pb: 74.3 +/- 14.7 Zr: 85.1 +/- 9.6

### Weather Conditions:

Skies: Cloudy Temp: 35 deg F Wind: NW 11 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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 84

GPS Coordinates (UTM): 456060 Northing 4615266 Easting

Wipe Samples Sample Time: 14:15

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: Picnic table behind the fieldhouse (Eggers Woods)

Bulk Soil Sample: 84 / 0-0.5' Time: 14:15

Duplicate: N/A Time: N/A

Description of Sample: Sandy loam

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

### XRF Compositional Data:

As: 0 +/- 20.5 Hg: 0 +/- 12.7 Rb: 37.1 +/- 6.7

Co: 0 +/- 290.1 Mo: 0 +/- 8.0 Se: 0 +/- 8.7

Cr: 0 +/- 241 Mn: 396.8 +/- 140.9 Sr: 81.8 +/- 9.7

Cu: 0 +/- 42.7 Ni: 0 +/- 68.9 Zn: 221.2 +/- 39.7

Fe: 17,600 +/- 600 Pb: 55.1 +/- 17.8 Zr: 108.6 +/- 14.3

### Weather Conditions:

Skies: Cloudy Temp: 35 deg F Wind: NW 10 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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID G

Sample ID: 85

GPS Coordinates (UTM): 455334 Northing 4614970 Easting

Wipe Samples Sample Time: 13:50

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	Isocane	Estimated Area

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

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

Description of Location: Painted wood bench edge along paved parkway

Bulk Soil Sample: 85 / 0-0.5' Time: 13:50

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 +/- 14.1 Hg: 0 +/- 7.9 Rb: 38.4 +/- 5.1

Co: 0 +/- 205 Mo: 0 +/- 6.2 Se: 0 +/- 6.7

Cr: 350 +/- 144.5 Mn: 459.3 +/- 111.2 Sr: 76.6 +/- 7.0

Cu: 33 +/- 22 Ni: 0 +/- 47.6 Zn: 172.8 +/- 26.6

Fe: 15,700 +/- 400 Pb: 48 +/- 12.7 Zr: 182.7 +/- 12.8

### Weather Conditions:

Skies: Cloudy Temp: 36 deg F Wind: \_\_\_\_\_

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: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID B

Sample ID: 89

GPS Coordinates (UTM): 453435 Northing 4616131 Easting

Wipe Samples Sample Time: 15:10

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	Isocane	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 the bus sign '71st/South Shore Brick'

Bulk Soil Sample: 89 / 0-0.5' Time: 15:10

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 +/- 35.5 Hg: 15.5 +/- 9.4 Rb: 13.5 +/- 4.5

Co: 622.4 +/- 241.6 Mo: 0 +/- 7.9 Se: 0 +/- 8.5

Cr: 0 +/- 279 Mn: 2,256 +/- 277 Sr: 93.1 +/- 10.0

Cu: 70.1 +/- 34.4 Ni: 99.9 +/- 58.3 Zn: 500 +/- 55.4

Fe: 24,400 +/- 700 Pb: 271 +/- 33.9 Zr: 103.8 +/- 13.8

### Weather Conditions:

Skies: Cloudy Temp: 33 deg F Wind: N/NW 13 mph

Precipitation: None

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

Sampler(s): Sam Cantor

Title(s): Project Geologist