

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 P

Sample ID: 101

GPS Coordinates (UTM): 452191 Northing 4620711 Easting

Wipe Samples Sample Time: 11:40

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: NW corner of NE bench of NW baseball diamond

Bulk Soil Sample: 101 / 0-0.5' Time: 12:10

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 (ppm):

As: 0 +/- 16.3 Hg: 0 +/- 8.7 Rb: 51.7 +/- 5.7

Co: 0 +/- 183 Mn: 255.6 +/- 88.8 Se: 0.0 +/- 5.5

Cr: 271.7 +/- 130.4 Mo: 0 +/- 5.9 Sr: 72.3 +/- 6.7

Cu: 0 +/- 28.2 Ni: 0 +/- 46 Zn: 225.1 +/- 29.1

Fe: 12,900 +/- 400 Pb: 78.8 +/- 14.8 Zr: 190.4 +/- 12.7

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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 P

Sample ID: 117

GPS Coordinates (UTM): 456463 Northing 4609644 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	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: Bench along 142nd St

Bulk Soil Sample: 117 / 0-0.5' Time: 15:45

Duplicate: N/A Time: N/A

Description of Sample: Black sandy loam

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

XRF Compositional Data (ppm):

As: 0 +/- 17.6 Hg: 0 +/- 10.2 Rb: 33.5 +/- 5.2

Co: 0 +/- 172 Mn: 386.5 +/- 107.4 Se: 0.0 +/- 7.8

Cr: 0 +/- 169 Mo: 0 +/- 6.4 Sr: 109.9 +/- 9

Cu: 0 +/- 33.3 Ni: 0 +/- 46.7 Zn: 155 +/- 27.7

Fe: 9,456 +/- 359 Pb: 68.8 +/- 15.7 Zr: 104.9 +/- 11.6

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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 P

Sample ID: 116

GPS Coordinates (UTM): 459402 Northing 4610031 Easting

Wipe Samples Sample Time: 15:20

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	Isoctane	Estimated Area

Other: _____ Other: _____ Other: _____

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

Description of Location: Eastern post of eastern gate along southern fence of football field

Bulk Soil Sample: 116 / 0-0.5' Time: 15:25

Duplicate: N/A Time: N/A

Description of Sample: Dark brown loamy sand

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

XRF Compositional Data (ppm):

As: 0 +/- 12.1 Hg: 0 +/- 9.3 Rb: 29.1 +/- 4.9

Co: 0 +/- 151 Mn: 238.0 +/- 89.9 Se: 0.0 +/- 5.9

Cr: 2.5 +/- 165 Mo: 0 +/- 6.4 Sr: 101.8 +/- 8.6

Cu: 0 +/- 33.1 Ni: 0 +/- 46.4 Zn: 77.8 +/- 21.4

Fe: 7,422 +/- 317 Pb: 33.2 +/- 11.9 Zr: 128.3 +/- 42.3

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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 C

Sample ID: 87

GPS Coordinates (UTM): 450323 Northing 4615706 Easting

Wipe Samples Sample Time: 17:05

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: E portion of southern guardrail at entrance

Bulk Soil Sample: 87 / 0-0.5' Time: 17:10

Duplicate: N/A Time: N/A

Description of Sample: Black loam

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

XRF Compositional Data (ppm):

As: 0 +/- 12.9 Hg: 0 +/- 8.6 Rb: 14.2 +/- 5.4

Co: 0 +/- 162 Mn: 203.7 +/- 84.5 Se: 1.1 +/- 7

Cr: 2.5 +/- 158 Mo: 0 +/- 6.5 Sr: 63.2 +/- 10.7

Cu: 46.3 +/- 33.3 Ni: 16.3 +/- 47.2 Zn: 424.1 +/- 31.5

Fe: 5,500 +/- 320 Pb: 45.4 +/- 12.5 Zr: 63.9 +/- 11.9

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

Title(s): Project Geologist

Revised 11/25/13

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Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID D

Sample ID: 86

GPS Coordinates (UTM): 454155 Northing 4612886 Easting

Wipe Samples Sample Time: 16:20

Duplicate: DUP-2A Time: 16:25

Field Blank: Blank-1B Time: 16:40

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: Eastern covered bench

Bulk Soil Sample: 86 / 0-0.5' Time: 16:30

Duplicate: DUP-2A / 0-0.5' Time: 16:35

Description of Sample: Black silty sand with organics

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 50 ft

XRF Compositional Data (ppm):

As: 0 +/- 16.9 Hg: 0 +/- 5.5 Rb: 17.0 +/- 3.9

Co: 0 +/- 270 Mn: 1,270.0 +/- 176.0 Se: 0.0 +/- 6.5

Cr: 253.8 +/- 148.8 Mo: 0 +/- 6.4 Sr: 57.6 +/- 6.6

Cu: 0 +/- 34.4 Ni: 0 +/- 52.4 Zn: 268.6 +/- 34

Fe: 24,100 +/- 600 Pb: 71.3 +/- 15.4 Zr: 51.1 +/- 8.9

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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 F

Sample ID: 35

GPS Coordinates (UTM): 456040 Northing 4617746 Easting

Wipe Samples Sample Time: 14:40

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: South face of the SE leg of utility structure W of boat house

Bulk Soil Sample: 35 / 0-0.5' Time: 14:45

Duplicate: N/A Time: N/A

Description of Sample: Brown organic rich sand

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 18 ft

XRF Compositional Data (ppm):

As: 0 +/- 13.7 Hg: 0 +/- 8.9 Rb: 29.8 +/- 5.2

Co: 0 +/- 174 Mn: 878.9 +/- 152.3 Se: 0.0 +/- 7.2

Cr: 0 +/- 162 Mo: 0 +/- 6.8 Sr: 157.7 +/- 11

Cu: 0 +/- 35.6 Ni: 0 +/- 55.6 Zn: 653.8 +/- 54

Fe: 8,705 +/- 354 Pb: 42.1 +/- 13.5 Zr: 102.8 +/- 12.4

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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 E

Sample ID: 20

GPS Coordinates (UTM): 455890 Northing 4618360 Easting

Wipe Samples Sample Time: 14:20

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 vertical bar of swing set

Bulk Soil Sample: 20 / 0-0.5' Time: 14:25

Duplicate: N/A Time: N/A

Description of Sample: Black loam, little sand

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 4 ft

XRF Compositional Data (ppm):

As: 0 +/- 17.9 Hg: 0 +/- 8.5 Rb: 53.5 +/- 6.1

Co: 0 +/- 219 Mn: 365.1 +/- 105.5 Se: 0.0 +/- 6.8

Cr: 239.7 +/- 35.1 Mo: 0 +/- 6.4 Sr: 56.4 +/- 6.3

Cu: 0 +/- 33.4 Ni: 0 +/- 47.6 Zn: 140.8 +/- 25.2

Fe: 16,900 +/- 500 Pb: 84.8 +/- 16.1 Zr: 155.8 +/- 12.2

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

Title(s): Project Geologist

Revised 11/25/13

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Sampling Field Form

Date: 11/26/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID E

Sample ID: 9

GPS Coordinates (UTM): 456030 Northing 4618545 Easting

Wipe Samples Sample Time: 13:55

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: Green housing structure NE of S Grilly & E 98th St

Bulk Soil Sample: 9 / 0-0.5' Time: 14:00

Duplicate: N/A Time: N/A

Description of Sample: Black loam, little sand

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

XRF Compositional Data (ppm):

As: 0 +/- 14.9 Hg: 0 +/- 8.8 Rb: 55.3 +/- 5.9
Co: 0 +/- 201 Mn: 390.9 +/- 101.4 Se: 0.0 +/- 5.7
Cr: 0 +/- 162 Mo: 0 +/- 5.8 Sr: 72.5 +/- 6.8
Cu: 0 +/- 30.5 Ni: 71.8 +/- 35.7 Zn: 138.9 +/- 24.1
Fe: 14,800 +/- 400 Pb: 64.7 +/- 13.9 Zr: 178.7 +/- 12.5

Weather Conditions:

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

Additional Notes: _____

Sampler(s): Paul Gruca

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 E

Sample ID: 10

GPS Coordinates (UTM): 456210 Northing 4618913 Easting

Wipe Samples Sample Time: 13:15

Duplicate: DUP-1B Time: 13:20

Field Blank: Blank-1B Time: 13:40

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: SE corner of comfort station

Bulk Soil Sample: 10 / 0-0.5' Time: 13:25

Duplicate: DUP-1B / 0-0.5' Time: 13:30

Description of Sample: Black sandy loam

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

XRF Compositional Data (ppm):

As: 0 +/- 35.5 Hg: 10.2 +/- 6.6 Rb: 54.4 +/- 5.8

Co: 0 +/- 244 Mn: 421.4 +/- 106.1 Se: 10.2 +/- 5.8

Cr: 0 +/- 185 Mo: 0 +/- 5.9 Sr: 95.1 +/- 7.5

Cu: 57.8 +/- 24.5 Ni: 0 +/- 51.1 Zn: 268.5 +/- 31.1

Fe: 23,300 +/- 500 Pb: 459.8 +/- 32.3 Zr: 180.7 +/- 12.4

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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 E

Sample ID: 8

GPS Coordinates (UTM): 455257 Northing 4618809 Easting

Wipe Samples Sample Time: 12:45

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	Isotane	Estimated Area

Other: _____ Other: _____ Other: _____

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

Description of Location: West face of SW corner of field house

Bulk Soil Sample: 8 / 0-0.5' Time: 12:50

Duplicate: N/A Time: N/A

Description of Sample: Black to dark brown sandy loam

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

XRF Compositional Data:

Zn: 211.2 +/- 27 Sr: 90.1 +/- 7.1 Zr: 113.0 +/- 10.1

As: 0 +/- 14.3 Fe: 11,700 +/- 300 Ni: 0 +/- 43.4

Cr: 168 +/- 110.1 Hg: 0 +/- 8.3 Pb: 58.2 +/- 12.7

Co: 0 +/- 171 Mo: 0 +/- 5.6 Rb: 30.8 +/- 4.3

Cu: 0 +/- 29.3 Mn: 537.2 +/- 106.2 Se: 0 +/- 6.4

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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 Perimeter

Sample ID: 99B

GPS Coordinates (UTM): 453596 Northing 4620170 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	Isoctane	Estimated Area

Other: _____ Other: _____ Other: _____

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

Description of Location: Western dugout bench of NW baseball diamond

Bulk Soil Sample: 99 / 0-0.5' Time: 12:35

Duplicate: N/A Time: N/A

Description of Sample: Light brown to tan silt, little sand

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

XRF Compositional Data:

Zn: 111 +/- 22.5 Sr: 82.81 +/- 7.2 Zr: 130.9 +/- 11.3

As: 14 +/- 7.5 Fe: 10,700 +/- 400 Ni: 0 +/- 37.8

Cr: 0 +/- 165 Hg: 0 +/- 7.9 Pb: 13.3 +/- 8.8

Co: 0 +/- 172 Mo: 0 +/- 5.9 Rb: 35.1 +/- 4.9

Cu: 0 +/- 31.6 Mn: 393.5 +/- 100.9 Se: 0 +/- 6.3

Weather Conditions:

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

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

Title(s): Project Geologist