

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: 97

GPS Coordinates (UTM): 448657 Northing 4615816 Easting

Wipe Samples Sample Time: 11:30

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: Centrally located water fountain

Bulk Soil Sample: 97 / 0-0.5' Time: 11:35

Duplicate: DUP-5 / 0-0.5' Time: 11:40

Description of Sample: Dark brown clay loam

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

XRF Compositional Data (ppm):

As: 0 +/- 23 Hg: 0 +/- 8.3 Rb: 35.8 +/- 6

Co: 0 +/- 202 Mn: 173.9 +/- 92.4 Se: 0.0 +/- 7.5

Cr: 0 +/- 175 Mo: 0 +/- 7.5 Sr: 57.6 +/- 7.3

Cu: 0 +/- 39.4 Ni: 0 +/- 49.3 Zn: 88.7 +/- 24.5

Fe: 10,900 +/- 400 Pb: 120.9 +/- 21.4 Zr: 161.1 +/- 14.2

Weather Conditions:

Skies: C Temp: 26 deg F Wind: N/NW 5 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: 11/27/2013

Project: Quinn Emanuel

Location: Chicago, IL

Project #: 3682-300-07

Group ID: P

Sample ID: 105

GPS Coordinates (UTM): 448657 Northing 4615816 Easting

Wipe Samples Sample Time: 11:00

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 at NE corner of park

Bulk Soil Sample: 105 / 0-0.5' Time: 11:05

Duplicate: N/A Time: N/A

Description of Sample: Dark brown sandy silt loam

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

XRF Compositional Data (ppm):

As: 0 +/- 17.3 Hg: 0 +/- 10.7 Rb: 39.5 +/- 6.3

Co: 0 +/- 217 Mn: 0.0 +/- 136.0 Se: 0.0 +/- 7.9

Cr: 0 +/- 177 Mo: 0 +/- 7.8 Sr: 59.1 +/- 7.7

Cu: 0 +/- 41.6 Ni: 0 +/- 51.3 Zn: 95.8 +/- 26.8

Fe: 11,800 +/- 500 Pb: 43.9 +/- 15 Zr: 120.2 +/- 13.4

Weather Conditions:

Skies: C Temp: 19 deg F Wind: N/NW 5 mph

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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: P

Sample ID: 106

GPS Coordinates (UTM): 446787 Northing 4615495 Easting

Wipe Samples Sample Time: 10:15

Duplicate: DUP-4 Time: 10:30

Field Blank: Blank-4 Time: 10:35

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: West side of south football field goal post

Bulk Soil Sample: 106 / 0-0.5' Time: 10:20

Duplicate: DUP-4 / 0-0.5' Time: 10:25

Description of Sample: Black loam

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

XRF Compositional Data (ppm):

As: 0 +/- 16.3 Hg: 0 +/- 8.7 Rb: 49.7 +/- 6.4

Co: 0 +/- 198 Mn: 0.0 +/- 116.0 Se: 0.0 +/- 6.6

Cr: 0 +/- 182 Mo: 0 +/- 6.9 Sr: 80.9 +/- 8

Cu: 0 +/- 36.6 Ni: 0 +/- 49.6 Zn: 110.8 +/- 25.2

Fe: 11,900 +/- 400 Pb: 56 +/- 14.8 Zr: 190.4 +/- 14.5

Weather Conditions:

Skies: C Temp: 19 deg F Wind: N/NW 5 mph

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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: P

Sample ID: 107

GPS Coordinates (UTM): 447569 Northing 4617358 Easting

Wipe Samples Sample Time: 9:50

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: Red bench south of baseball diamond

Bulk Soil Sample: 107 / 0-0.5' Time: 9:55

Duplicate: N/A Time: N/A

Description of Sample: Black silty loam

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

XRF Compositional Data (ppm):

As: 9.5 +/- 6.3 Hg: 0 +/- 7.4 Rb: 27.0 +/- 4.2

Co: 0 +/- 162 Mn: 301.8 +/- 57.1 Se: 0.0 +/- 6.1

Cr: 0 +/- 134 Mo: 0 +/- 6 Sr: 51 +/- 5.6

Cu: 0 +/- 29.2 Ni: 0 +/- 39.8 Zn: 41.4 +/- 15.5

Fe: 10,200 +/- 300 Pb: 0 +/- 11.5 Zr: 135 +/- 10.8

Weather Conditions:

Skies: C Temp: 19 deg F Wind: N/NW 5 mph

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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: P

Sample ID: 103

GPS Coordinates (UTM): 449627 Northing 4617660 Easting

Wipe Samples Sample Time: 9:20

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: SW bench of baseball field along S Cottage Grove

Bulk Soil Sample: 103 / 0-0.5' Time: 9:25

Duplicate: N/A Time: N/A

Description of Sample: Black loam

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

XRF Compositional Data (ppm):

As: 0 +/- 19.8 Hg: 0 +/- 7.6 Rb: 64.6 +/- 7.4

Co: 0 +/- 261 Mn: 185.0 +/- 97.2 Se: 0.0 +/- 7.4

Cr: 0 +/- 177 Mo: 0 +/- 7.5 Sr: 64.5 +/- 7.5

Cu: 0 +/- 39.9 Ni: 0 +/- 50.7 Zn: 143.4 +/- 28.6

Fe: 19,200 +/- 500 Pb: 86.1 +/- 18.1 Zr: 168.9 +/- 14.1

Weather Conditions:

Skies: C Temp: 19 deg F Wind: N/NW 5 mph

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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: P

Sample ID: 104

GPS Coordinates (UTM): 449508 Northing 4618403 Easting

Wipe Samples Sample Time: 8:35

Duplicate: DUP-3B Time: 8:40

Field Blank: Blank-3B Time: 8:45

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: Eastern dugout along north wall

Bulk Soil Sample: 104 / 0-0.5' Time: 8:50

Duplicate: DUP-3B / 0-0.5' Time: 8:55

Description of Sample: Black silty loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 40 ft

XRF Compositional Data (ppm):

As: 0 +/- 16.6 Hg: 0 +/- 9.9 Rb: 44.5 +/- 7.6

Co: 0 +/- 257 Mn: 229.3 +/- 120.0 Se: 0.0 +/- 7.5

Cr: 0 +/- 179 Mo: 0 +/- 9.4 Sr: 55.3 +/- 8.6

Cu: 0 +/- 50.2 Ni: 0 +/- 62.9 Zn: 61.2 +/- 27.6

Fe: 13,000 +/- 500 Pb: 27.4 +/- 14.6 Zr: 221.3 +/- 19.3

Weather Conditions:

Skies: C Temp: 15 deg F Wind: N/NW 5 mph

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

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: P

Sample ID: 102

GPS Coordinates (UTM): 450305 Northing 4619392 Easting

Wipe Samples Sample Time: 7:50

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: Southern bench nearest to Greenwood Rd

Bulk Soil Sample: 102 / 0-0.5' Time: 7:55

Duplicate: N/A Time: N/A

Description of Sample: Black sandy loam

Near Surface Stained Soil/Stressed Vegetation/Asphalt?: Yes If Yes, Distance: 10 ft

XRF Compositional Data (ppm):

As: 0 +/- 14.6 Hg: 0 +/- 9.3 Rb: 50.2 +/- 6.2

Co: 0 +/- 203 Mn: 0.0 +/- 117.0 Se: 0.0 +/- 5.8

Cr: 0 +/- 147 Mo: 0 +/- 7.1 Sr: 64.3 +/- 7

Cu: 0 +/- 35.1 Ni: 0 +/- 46.1 Zn: 126.4 +/- 25.4

Fe: 13,500 +/- 400 Pb: 43.6 +/- 13 Zr: 239.8 +/- 15.2

Weather Conditions:

Skies: C Temp: 15 deg F Wind: N/NW 5 mph

Precipitation: None

Additional Notes: _____

Sampler(s): Paul Gruca

Title(s): Project Geologist

Revised 11/25/13