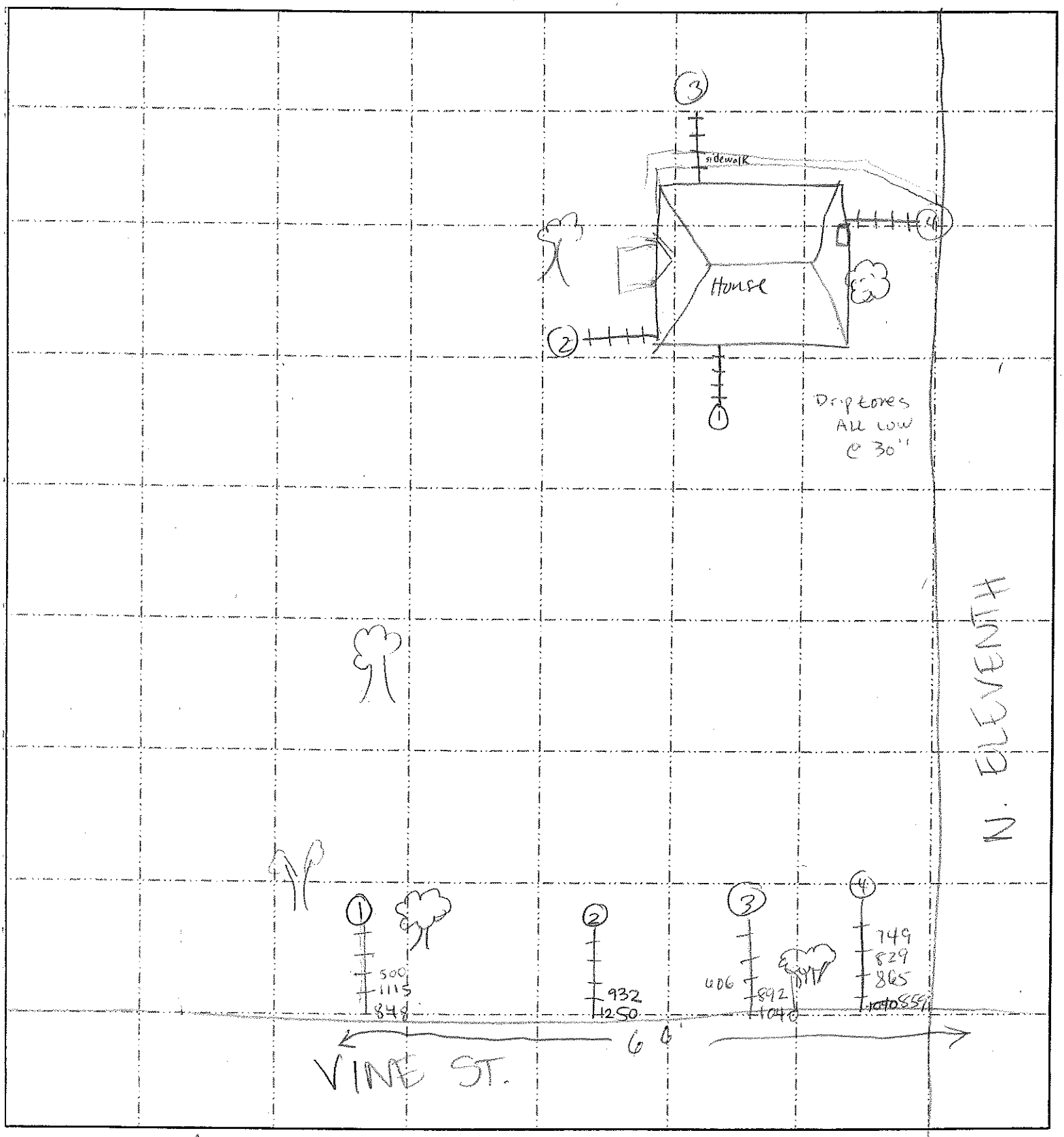
APPENDIX D
SAMPLING AND ANALYTICAL DATA

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 110 STREET: 1019 Vine St.

* WIPE

N



XRF SerNum(s) ALL Date Screened/Sampled 4-10-12

Team Member(s): ALL

66' wide

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 110

Owner Contact Information:

Owner: Kohler Nadine & Roberts Carla

Physical Address of Property Sampled: 1019 Vine St.

Phone 1: 314-607-8271 Phone 2: _____

Dog Issues? no **Year Built:** 1944

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

single story located at rear of double lot Vine & 11th

Comments:

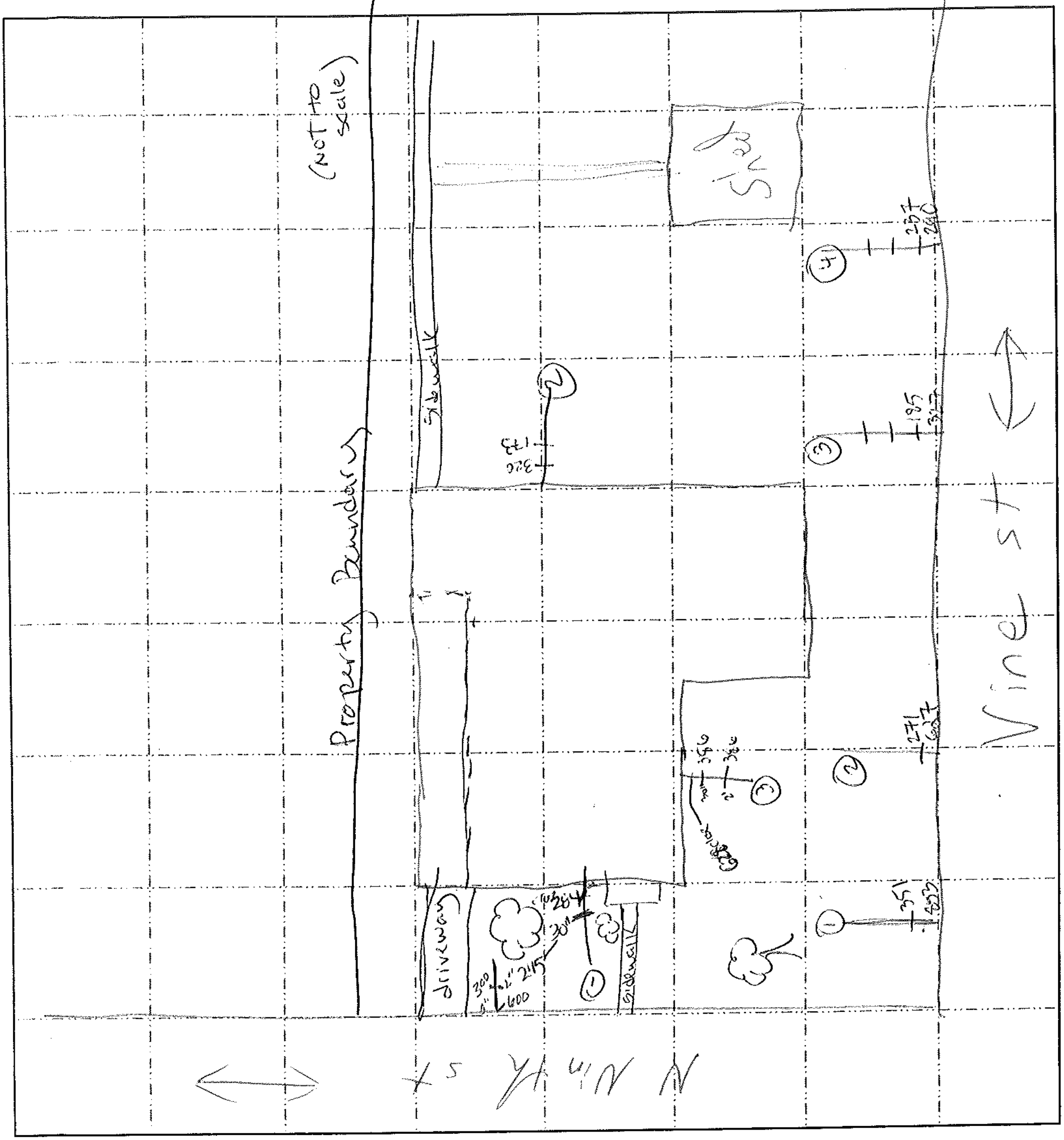
hse faces vine/driveway off 11th

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 106 STREET: 115 Ninth St.

N



XRF SerNum(s)______________ Date Screened/Sampled______________

Team Member(s):__________________

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 106

Owner Contact Information:

Owner: Courtois Vincent

Physical Address of Property Sampled: 115 Ninth St.

Phone 1: 636-937-5593 Phone 2: _____

Dog Issues? no **Year Built:** 1943

Occupant Contact Info (if not owner-occupied):

Name(s): Betty Courtois

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

corner house-gray siding-stone front-white shutters

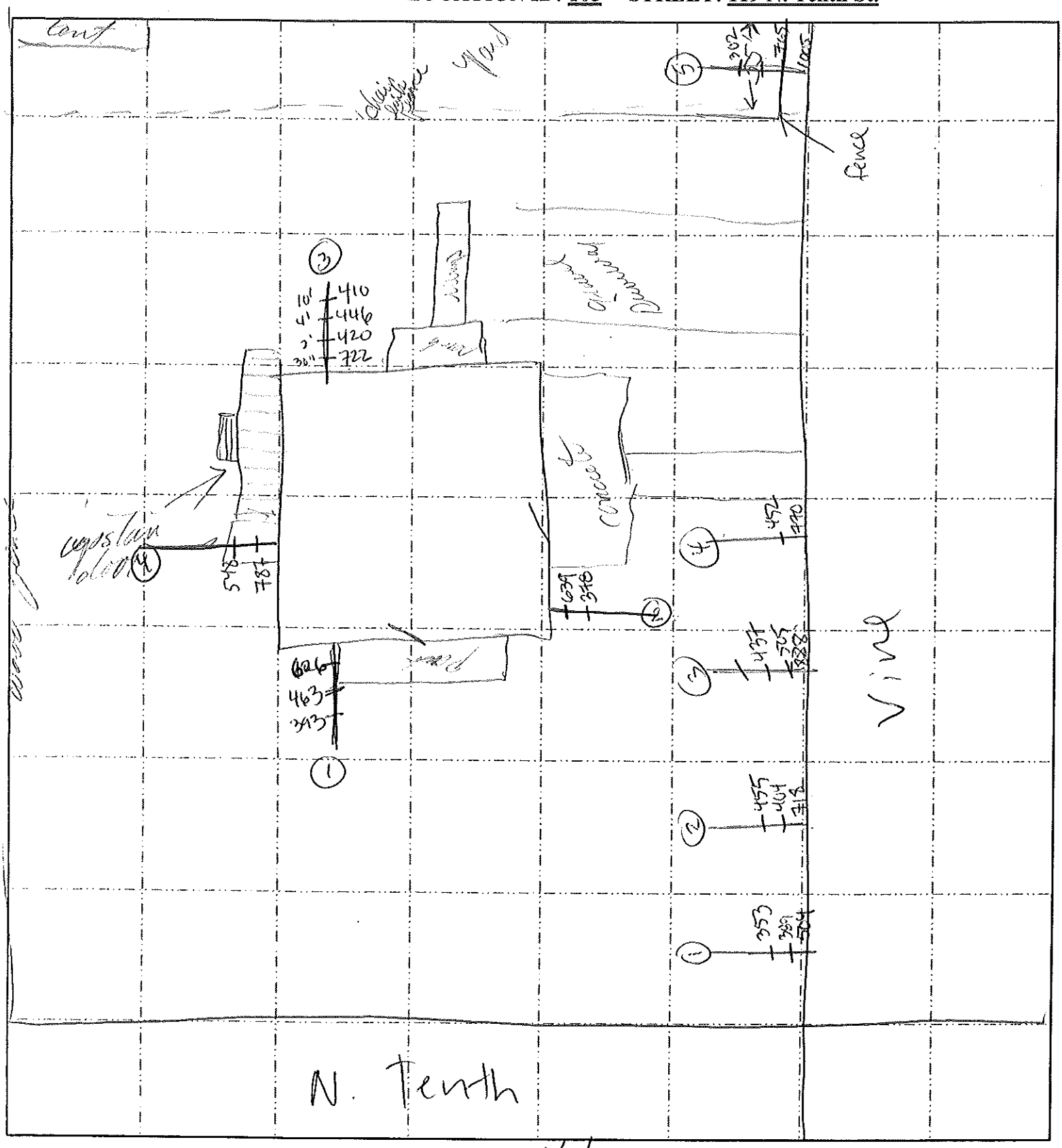
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 105 STREET: 119 N. Tenth St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4/10/2012

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 105

Owner Contact Information:

Owner: Cook Richard W

Physical Address of Property Sampled: 119 N. Tenth St.

Phone 1: 314-560-6056 Phone 2: _____

Dog Issues? no **Year Built:** 1941

Occupant Contact Info (if not owner-occupied):

Name(s): James Commerford Veronica Hilburn

Number of Residents: 3 **Number of Children:** 0

Physical Description of House/Property:

2 story w/apartment upstairs

Comments:

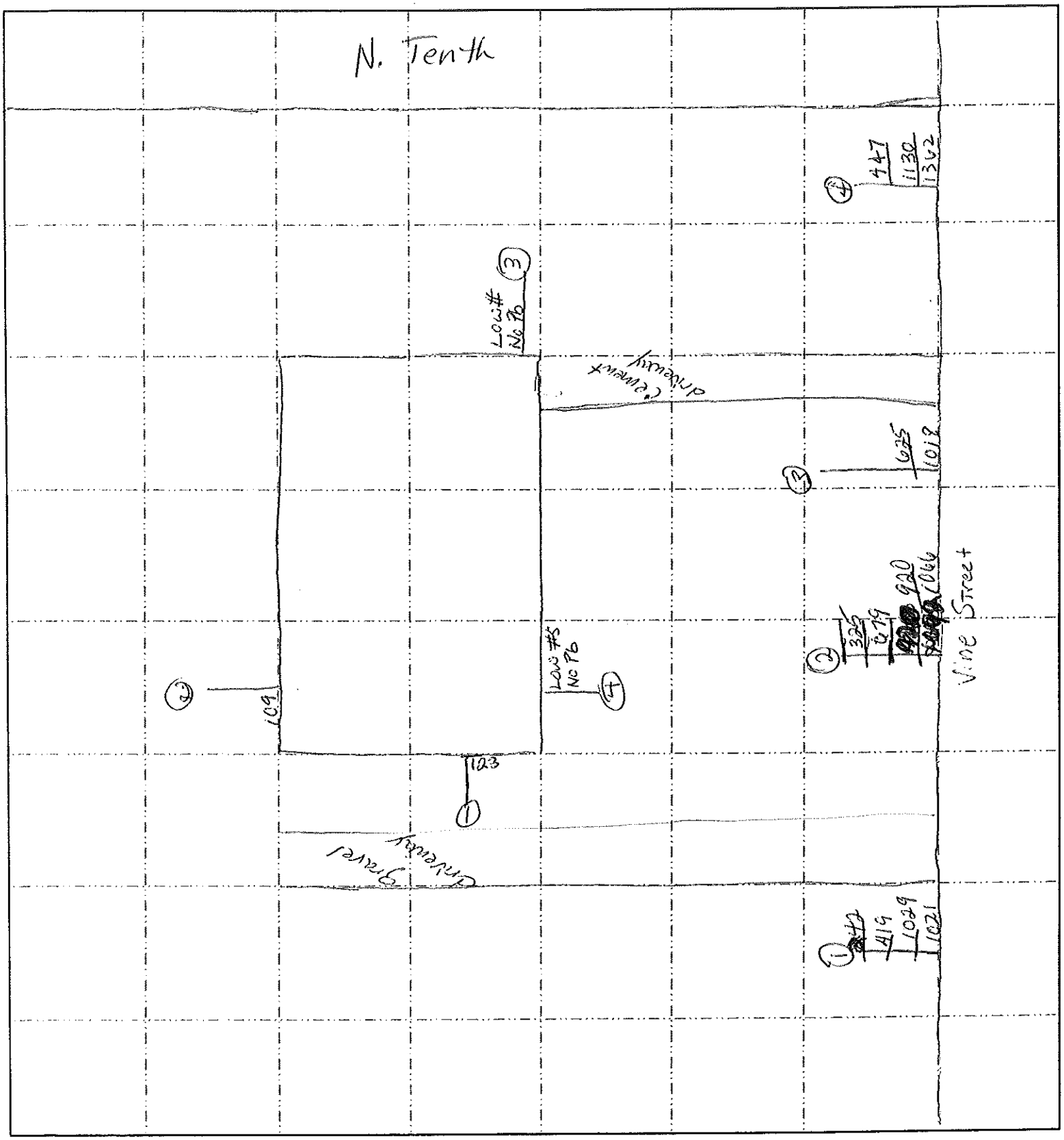
wants to test dust & air ducts

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 116 STREET: 913 Vine St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-10-12

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 116

Owner Contact Information:

Owner: Portell Philip & Deborah

Physical Address of Property Sampled: 913 Vine St.

Phone 1: 636-937-2166 Phone 2: _____

Dog Issues? no **Year Built:** 1960

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

corner of 10th & vine, gray siding, rock halfway up

Comments:

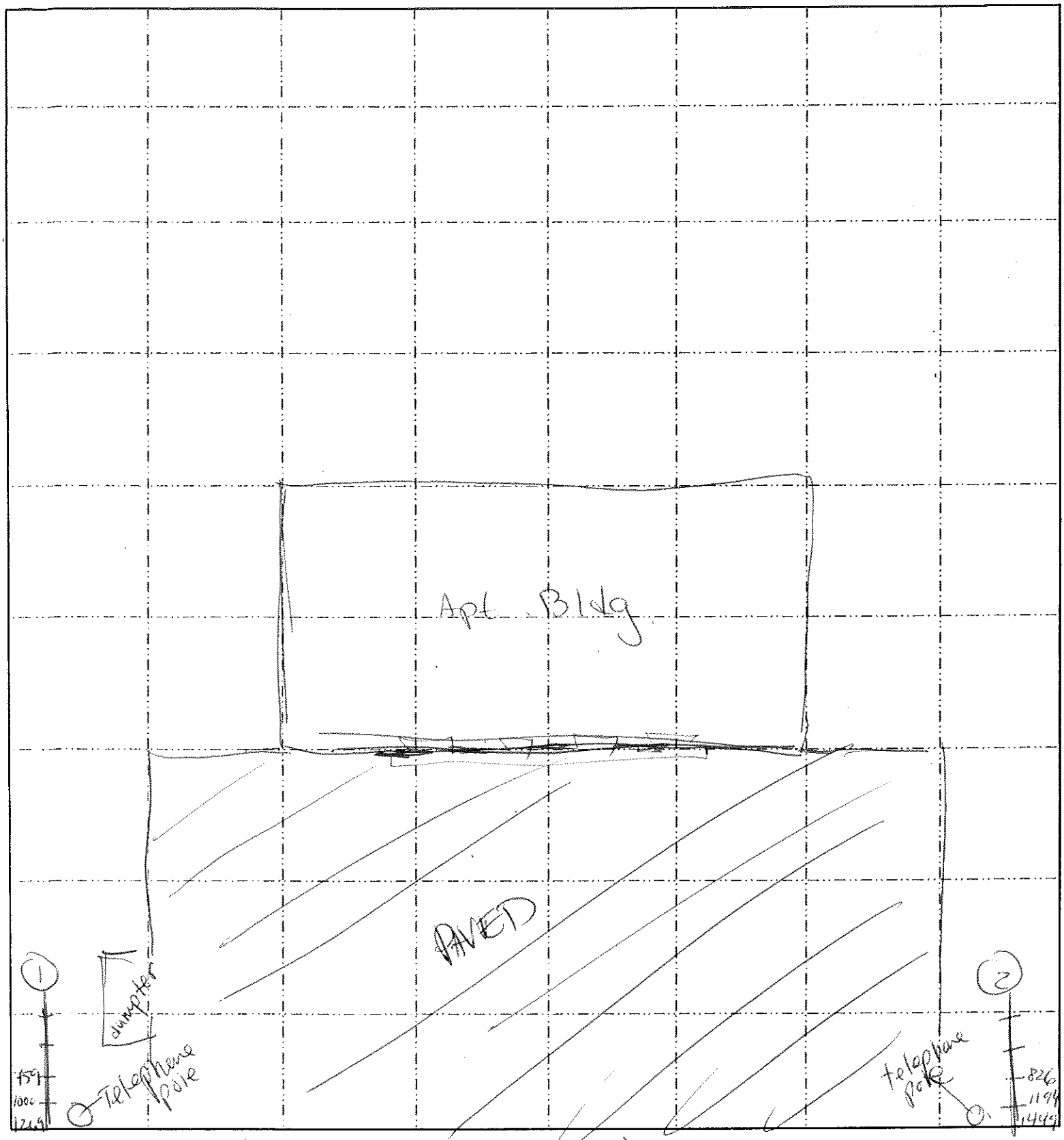
gray & white concrete patio set front yard

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 117 STREET: 1011-1017 Vine St.

N



XRF SerNum(s) All Date Screened/Sampled 4-10-12

Team Member(s): All

18' wide

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 117

Owner Contact Information:

Owner: Rhoads Derek & Teresa

Physical Address of Property Sampled: 1011-1017 Vine St.

Phone 1: 314-623-1333 Phone 2: _____

Dog Issues? no **Year Built:** 1995

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 7 **Number of Children:** 1

Physical Description of House/Property:

2 story 4 plex, yellow siding, green door, green shutters

Comments:

1017 is empty

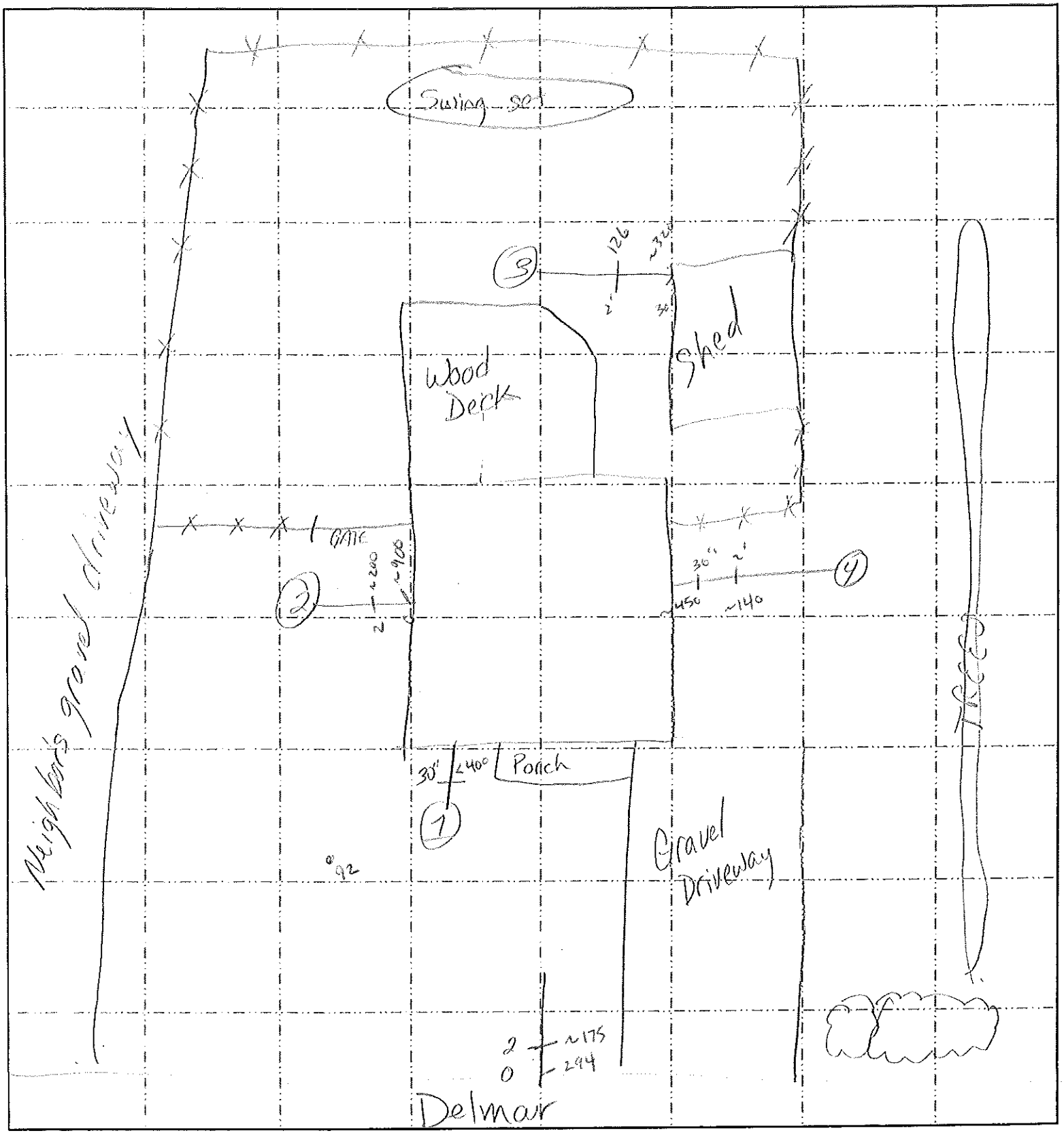
1941 - moved in.
1956 - large shed/da built

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 129 STREET: 834 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 129

Owner Contact Information:

Owner: Jercinovic John & Kathy

Physical Address of Property Sampled: 834 Delmar Ave

Phone 1: 636-931-0178 Phone 2: 314-814-0178

Dog Issues? yes **Year Built:** 1945

Occupant Contact Info (if not owner-occupied):

Name(s): Bobbie Hedrick Cory Welker

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

Brown 1 story frame

Comments:

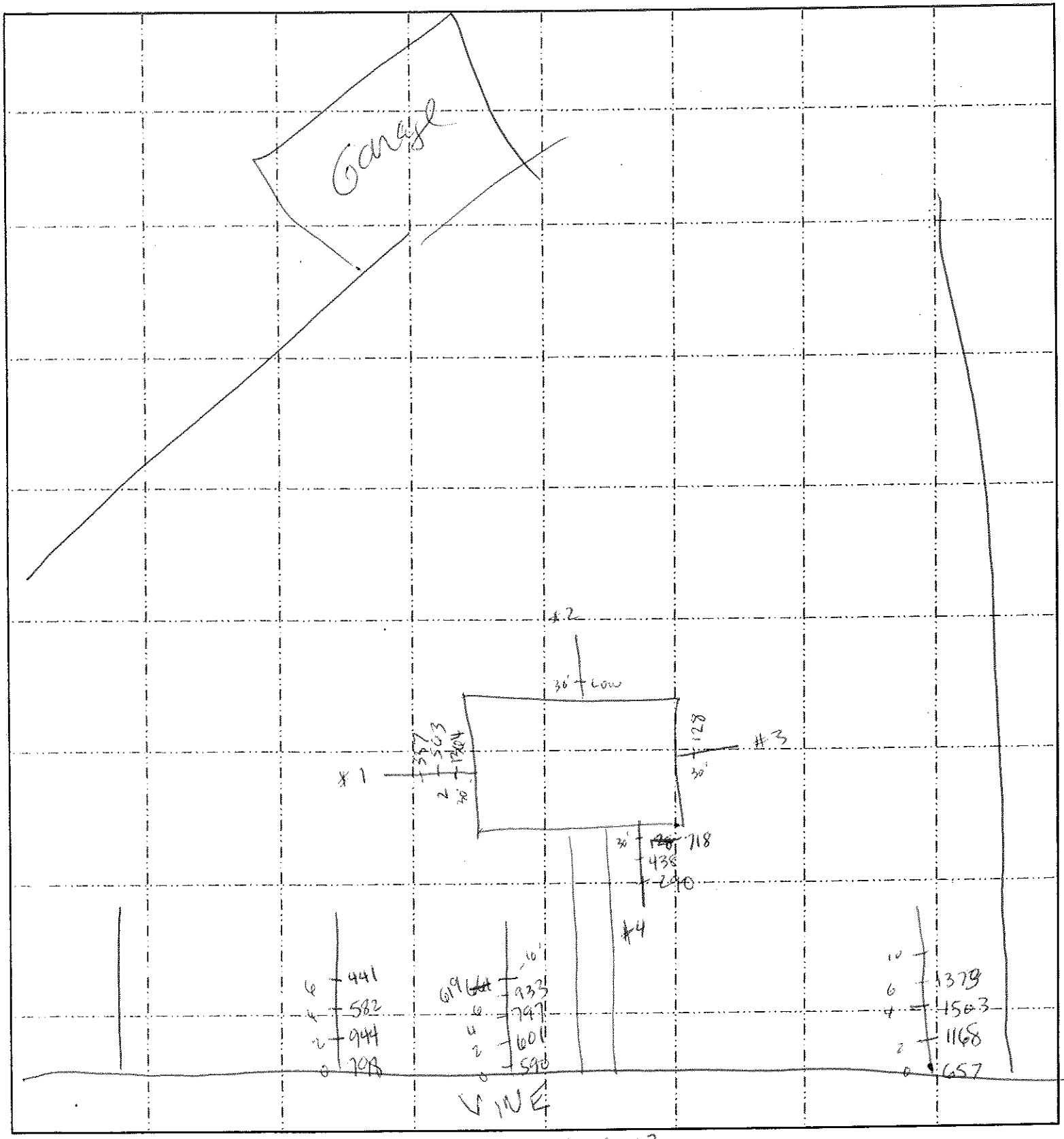
doesn't say if dog is mean

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 115 STREET: 1009 Vine St.

N



XRF SerNum(s) ALL Date Screened/Sampled 4-10-12

Team Member(s): ALL

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 115

Owner Contact Information:

Owner: Nokes Melba

Physical Address of Property Sampled: 1009 Vine St.

Phone 1: 636-937-4282 Phone 2: _____

Dog Issues? no **Year Built:** 1941

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

yellow siding, long driveway, garage at end

Comments:

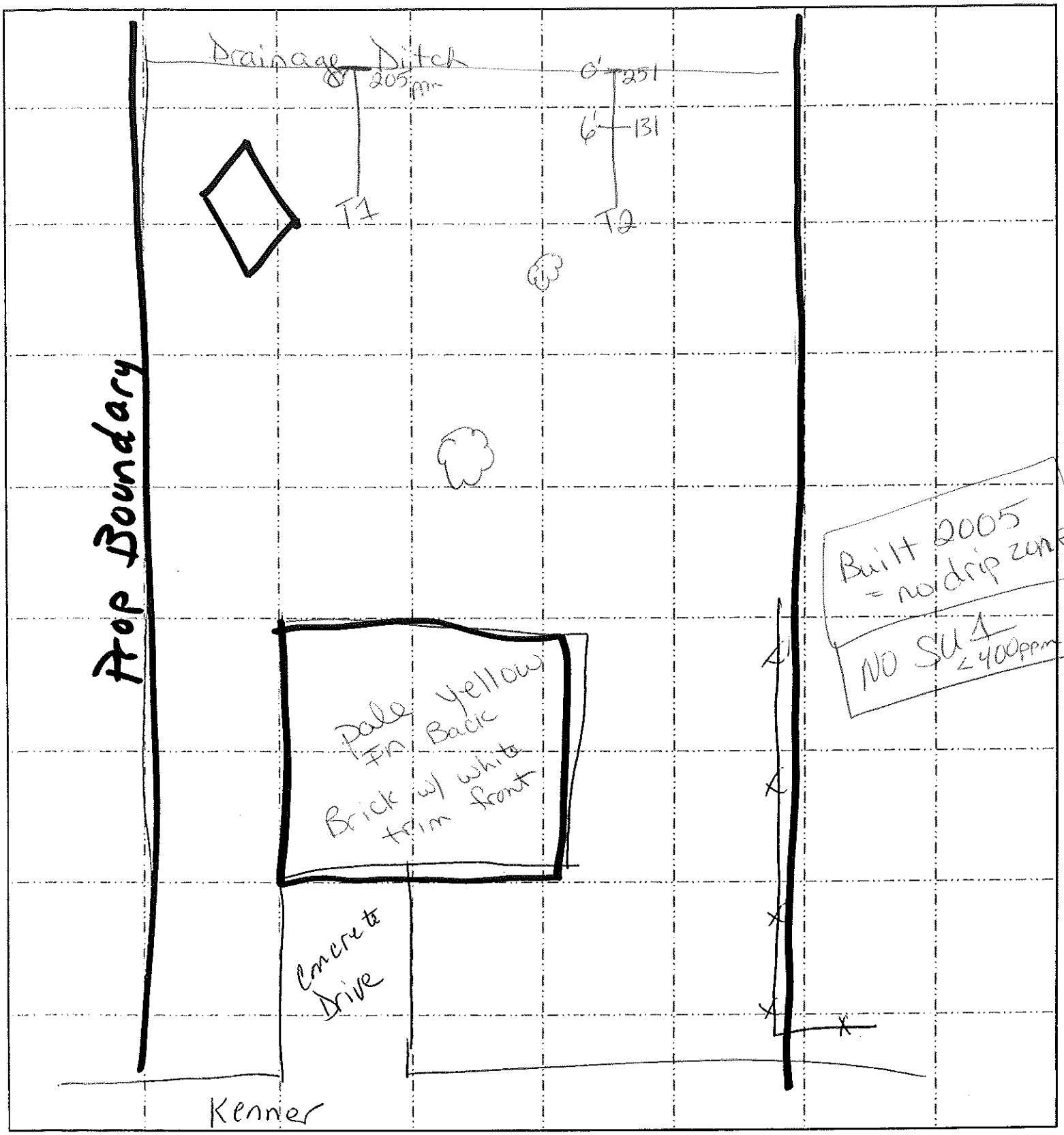
would also like samples from gutters.

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 111 STREET: 1211 Kenner St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s): Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 111

Owner Contact Information:

Owner: Krieg Michael & Amy

Physical Address of Property Sampled: 1211 Kenner St.

Phone 1: 314-703-6365 Phone 2: 314-704-4697

Dog Issues? __ **Year Built:** 2005

Occupant Contact Info (if not owner-occupied):

Name(s): Brenda Yetterbrock

Number of Residents: 2 ____ **Number of Children:** 0

Physical Description of House/Property:

small hse/part brick/tan carport

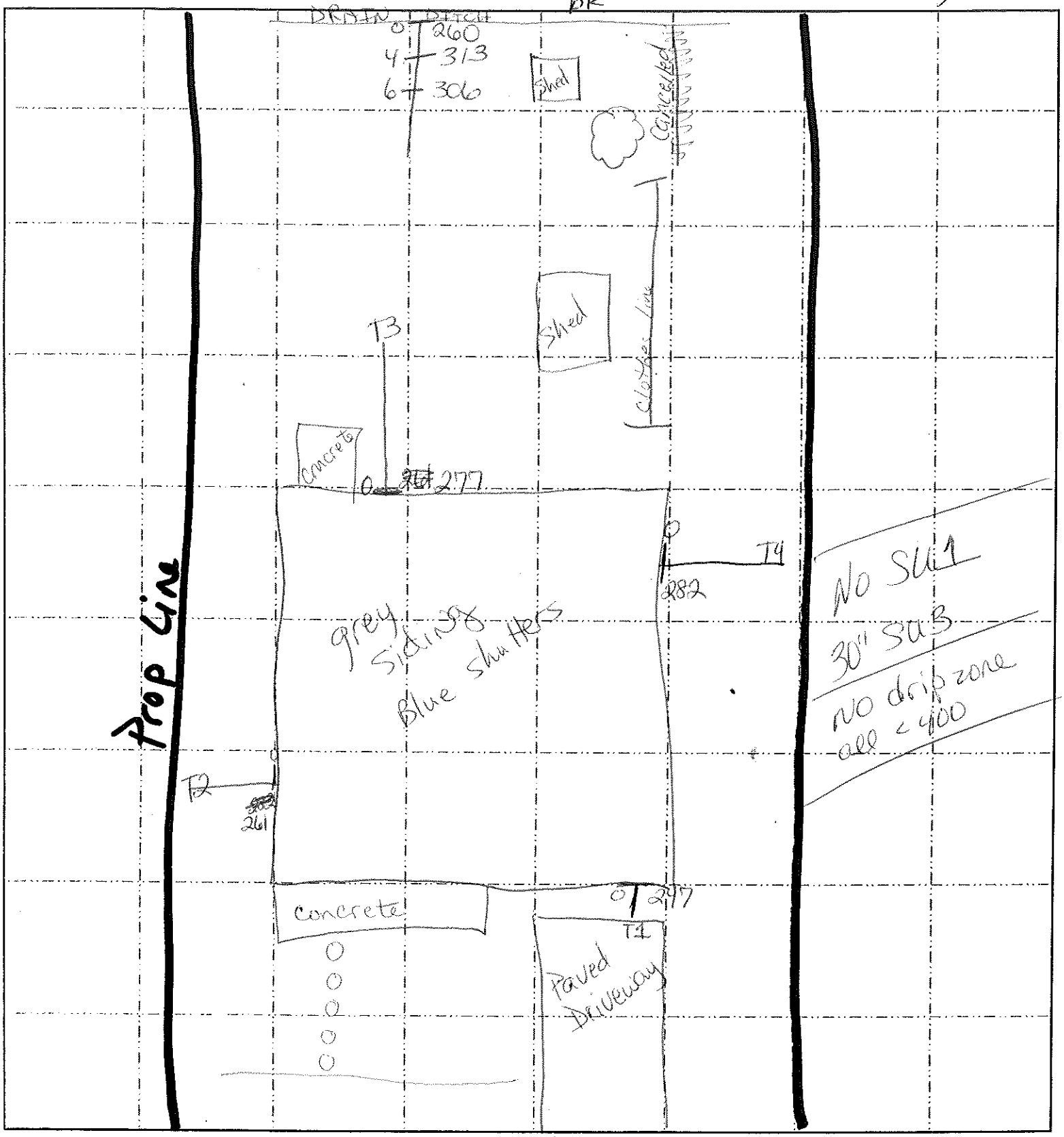
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 109 DK STREET: Kenner St. (?)

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s): Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 109

Owner Contact Information:

Owner: Gebhardt Larry L

Physical Address of Property Sampled: 1213 Kenner St.

mail results to

Phone 1: 314-420-3653 Phone 2: _____

Dog Issues? no **Year Built:** 1950

Occupant Contact Info (if not owner-occupied):

Name(s): Neil Elliott

13188 St. Rd CC
Festus MO 63028

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

none grey house, 2 white rocking chairs on porch, paved driveway

Comments:

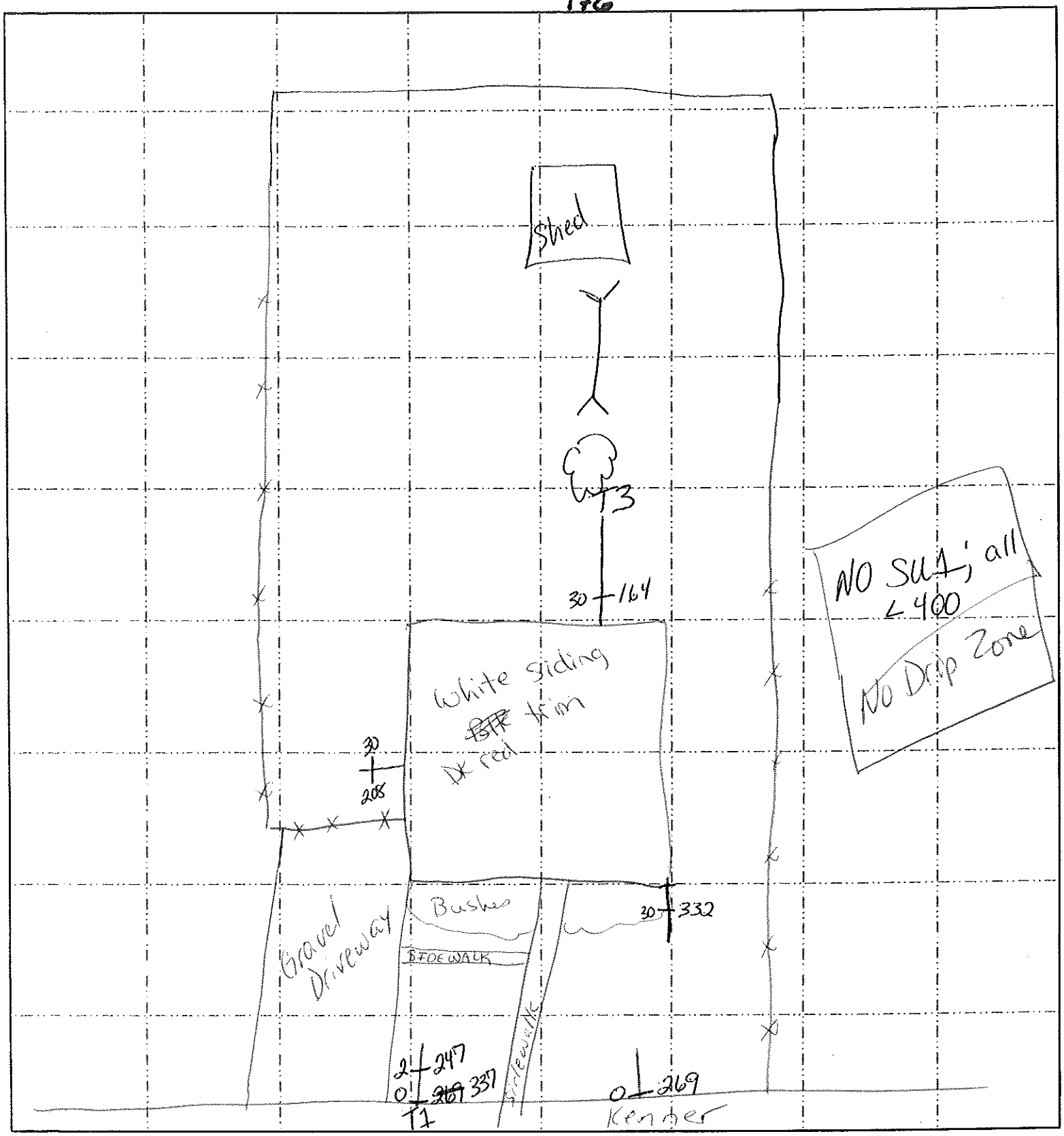
owner would like to be present House is between 1211 & 1215 Kenner.

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: ~~175~~ 176 STREET: 1023 Kenner St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: ~~175~~ 176

Owner Contact Information:

Owner: Leathers Nathan

Physical Address of Property Sampled: 1023 Kenner St.

Phone 1: 314-795-3634 Phone 2: _____

Dog Issues? no **Year Built:** 1951

Occupant Contact Info (if not owner-occupied):

Name(s): Nathan Leathers

Number of Residents: 2 **Number of Children:** 1

Physical Description of House/Property:

one story ranch

Comments:

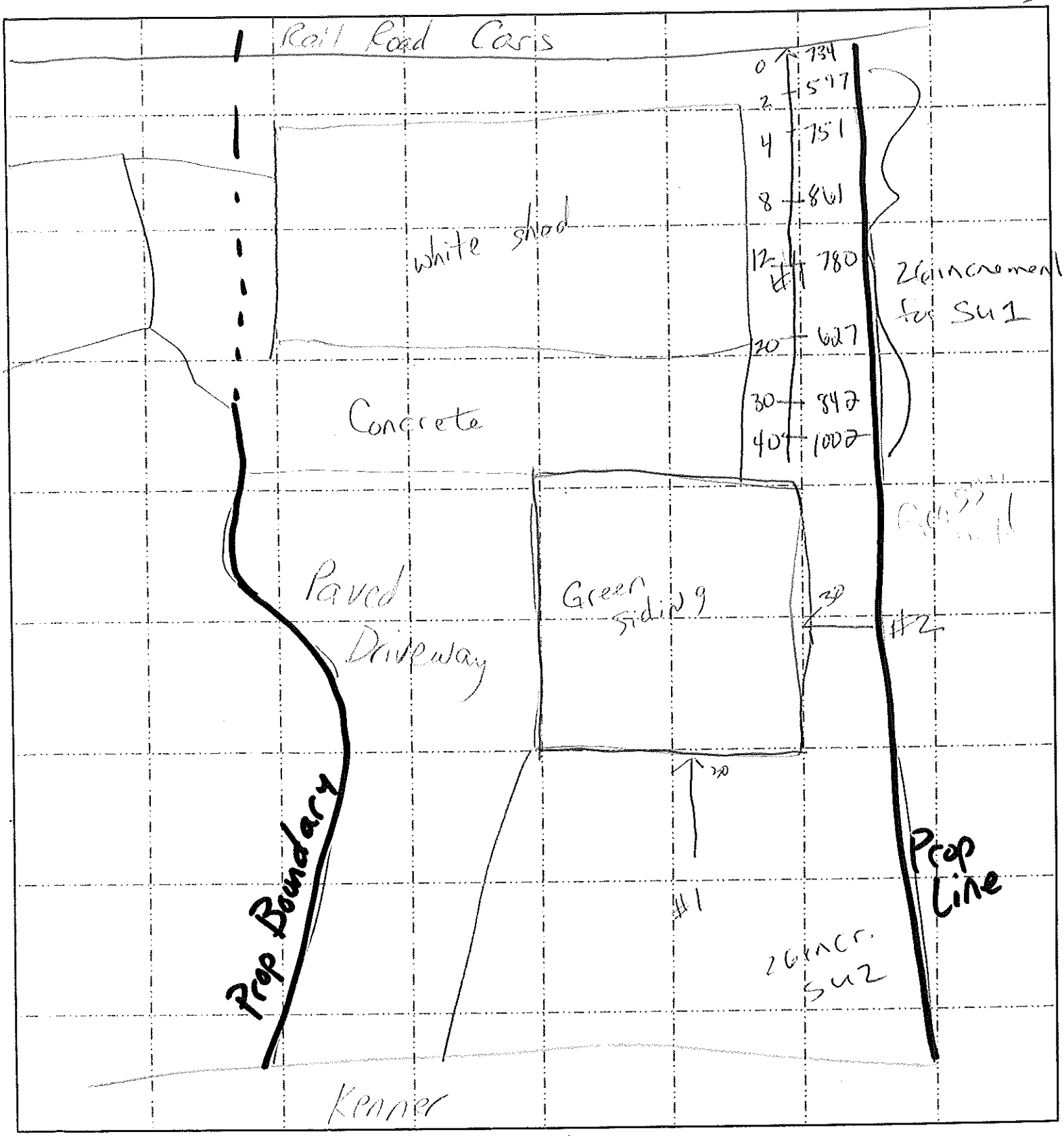
Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 120 STREET: [redacted] 1305 Kenner St.

@ end

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s):_____

Sketch by Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 120

Owner Contact Information:

Owner: Rudloff Genrich L

Physical Address of Property Sampled: [redacted] 1305 Kenner St.

Phone 1: 314-550-0260 Phone 2: _____

Dog Issues? no **Year Built:** 1974

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: _____ _____ **Number of Children:**

Physical Description of House/Property:

Comments:

wants to be present for sampling

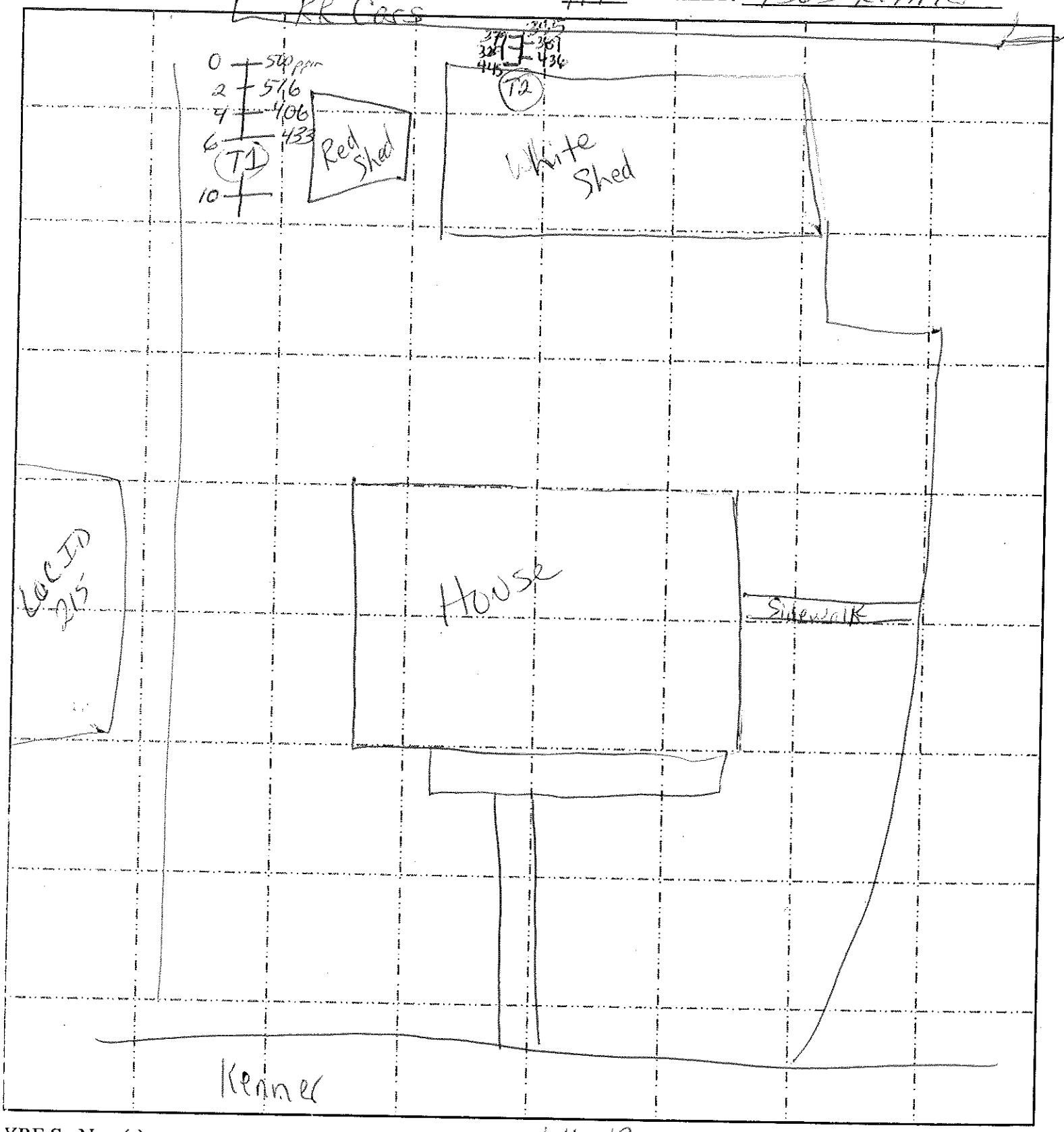
Rental, by a Turkish man
green siding at end of Kenner

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 119 **STREET:** 1303 Kenner

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s): SJ VW MS PE KH, SC Maria + Joe SLRO

Sketch by Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 119

Owner Contact Information:

Owner: Rudloff Genrick L

Physical Address of Property Sampled: _____

Phone 1: _____ Phone 2: _____

Dog Issues? _____ **Year Built:**

Occupant Contact Info (if not owner-occupied):

Name(s): _____

Number of Residents: _____ ____ **Number of Children:** _____

Physical Description of House/Property:

Comments:

~~Rental~~ ~~prop~~ mother of owner lives here
Brick

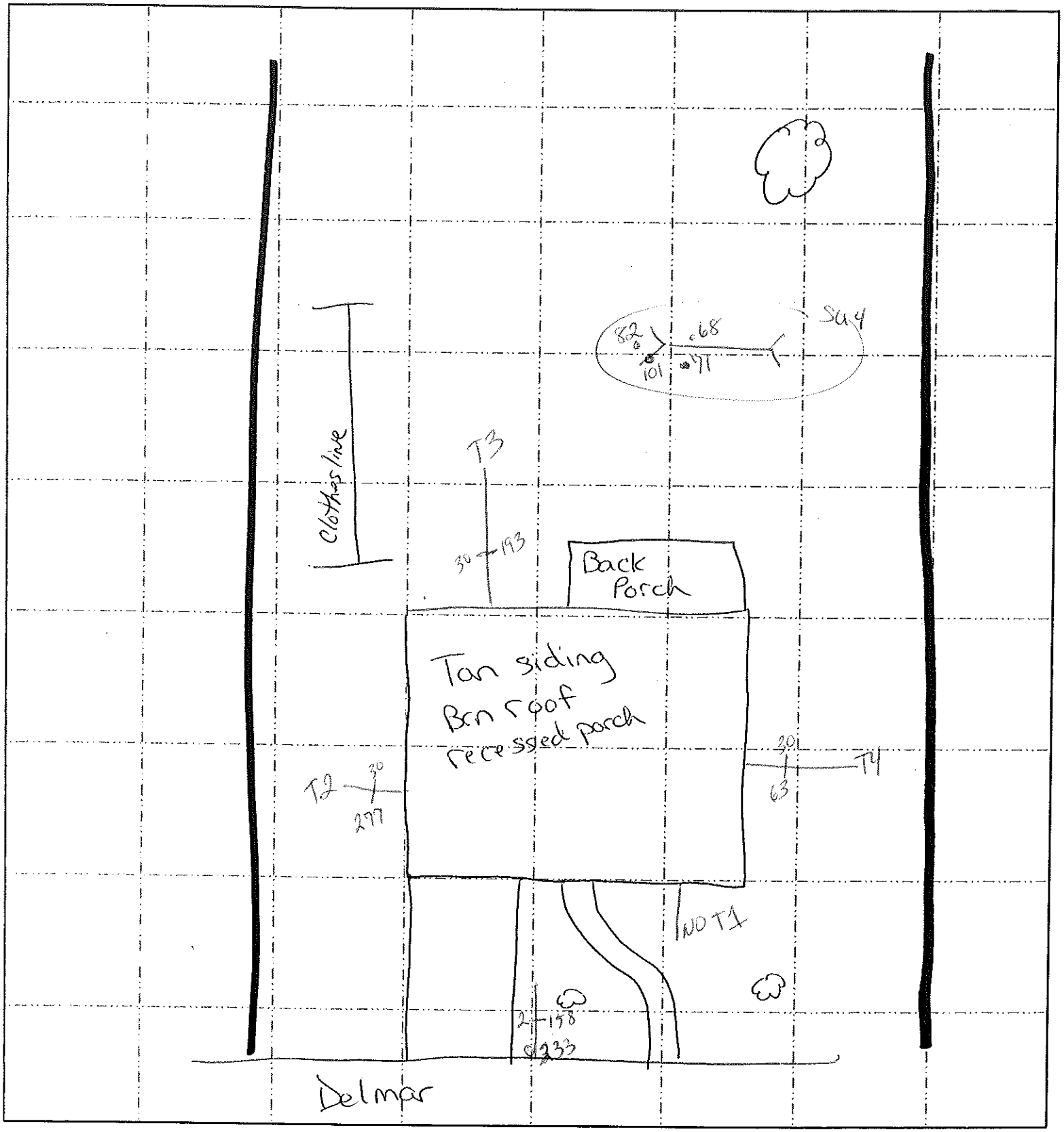
Day across street left early Apr 2012

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 158 STREET: 806 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s): SJ VW PE MS KH SC

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 158

Owner Contact Information:

Owner: Roland Richard Jr & Julie

Physical Address of Property Sampled: 806 Delmar Ave

Phone 1: 636-208-1186 Phone 2: _____

Dog Issues? no **Year Built:** 1950

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 7 **Number of Children:** 2

Physical Description of House/Property:

brown roof, beige siding

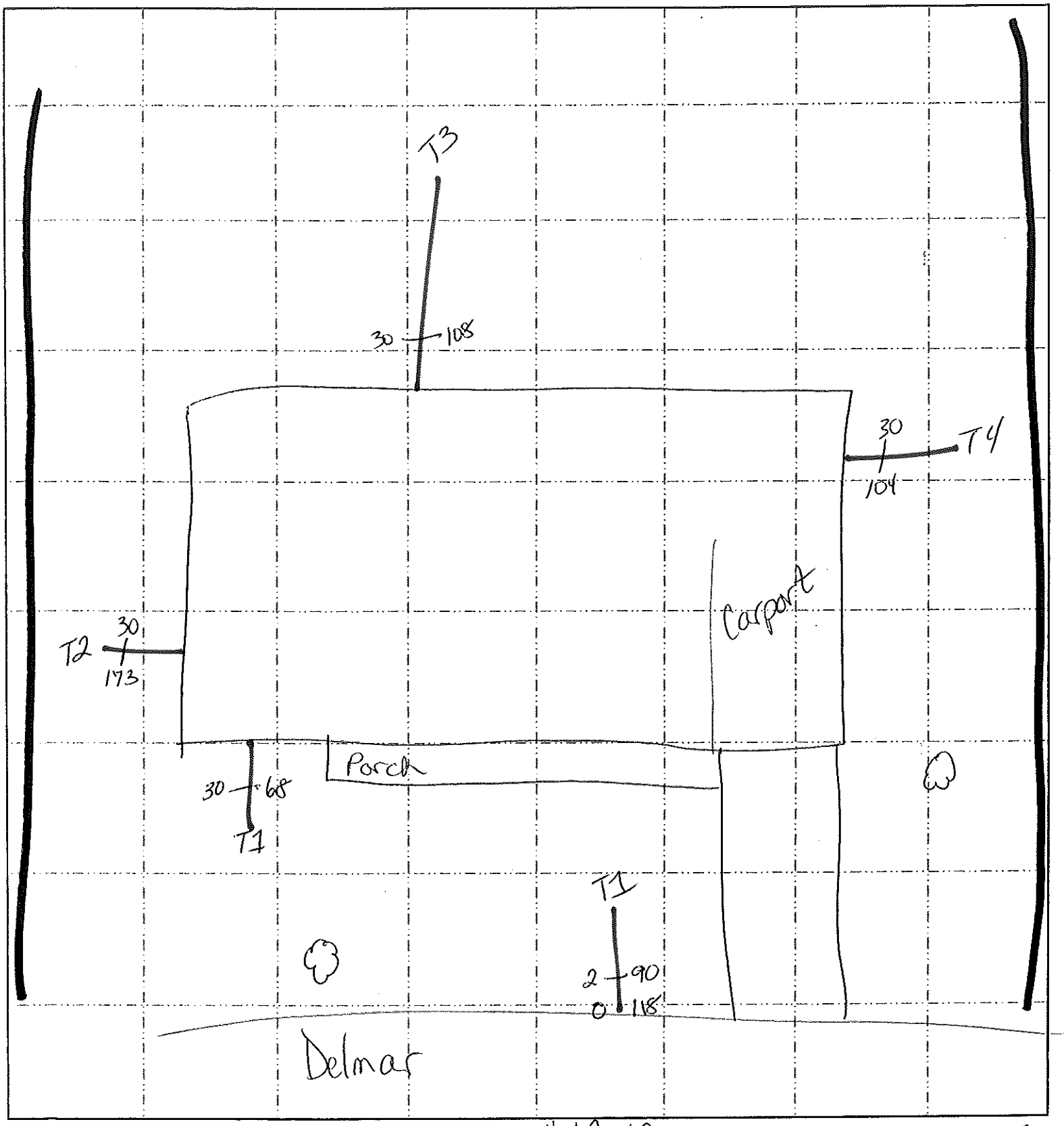
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 179 STREET: 714 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

SLS

Team Member(s): SJ PE VW MS
KH SC
T

*DO A wipe HERE

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 179

Owner Contact Information:

Owner: Whitehead Bernice

Physical Address of Property Sampled: 714 Delmar Ave

Phone 1: 937-7991 Phone 2: _____

Dog Issues? no **Year Built:** 1965

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

3 bedroom/unfinished basement on 1 lot

Comments:

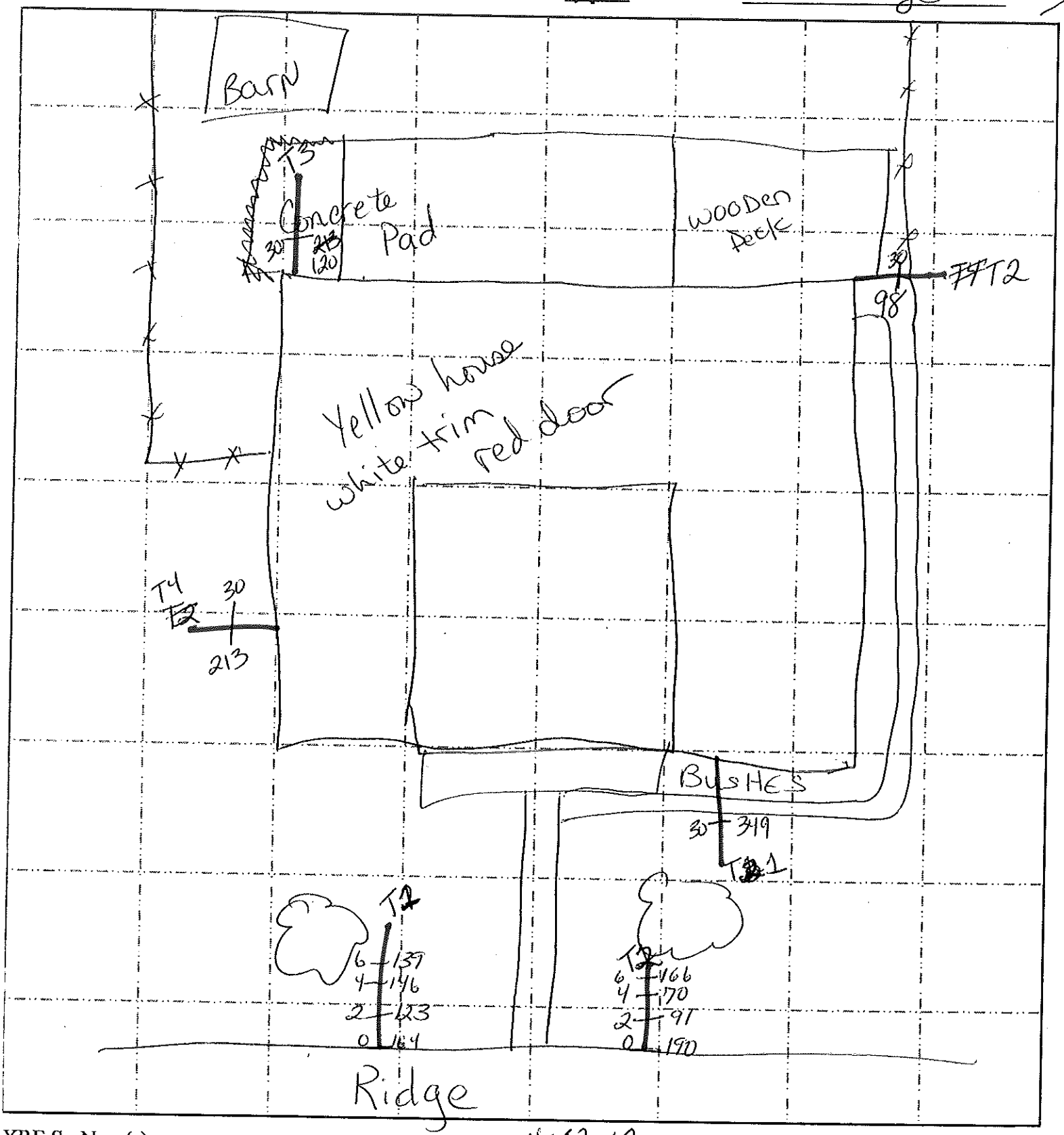
Collected a wipe sample here on table + window sill.

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 218 **STREET:** 721 Ridge

N →



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #:_____

Owner Contact Information:

Owner: Toby Miller

Physical Address of Property Sampled: 721 Ridge

Phone 1: _____ Phone 2: _____

Dog Issues? _____ **Year Built:** early 1900's

Occupant Contact Info (if not owner-occupied):

Name(s):_____

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

Comments:

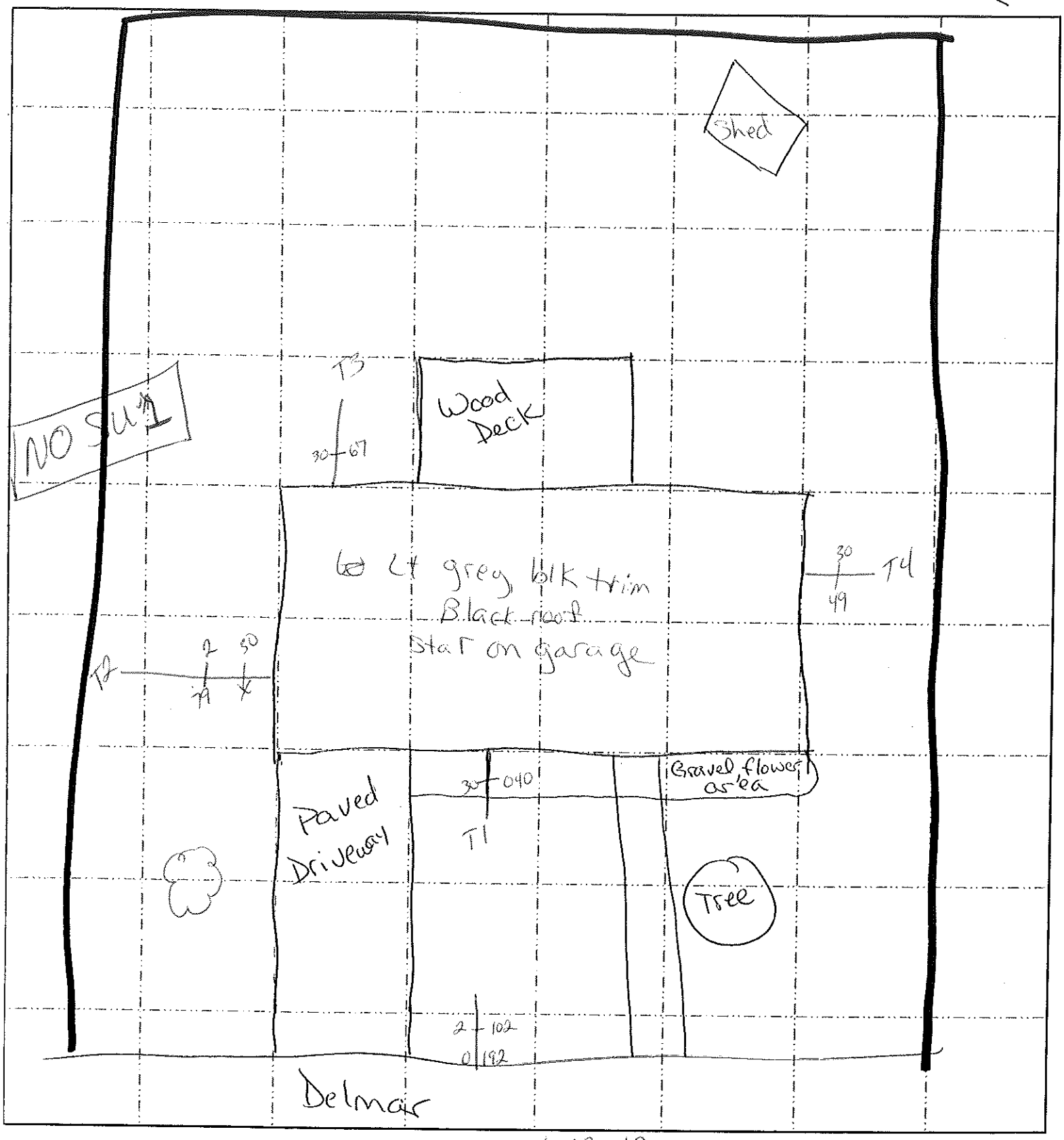
Dust wipe sample collected.

Permission to Sample Granted Verbally By: Ms. Miller. **On (date):** 4-12-12

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 157 STREET: 808 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

SLJ

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 157

Owner Contact Information:

Owner: Waites Rebecca L

Physical Address of Property Sampled: 808 Delmar Ave

Phone 1: 314-914-0021 Phone 2: _____

Dog Issues? no-inside **Year Built:** 1965

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: _____ _____ **Number of Children:**

Physical Description of House/Property:

2 story, 1 car garage

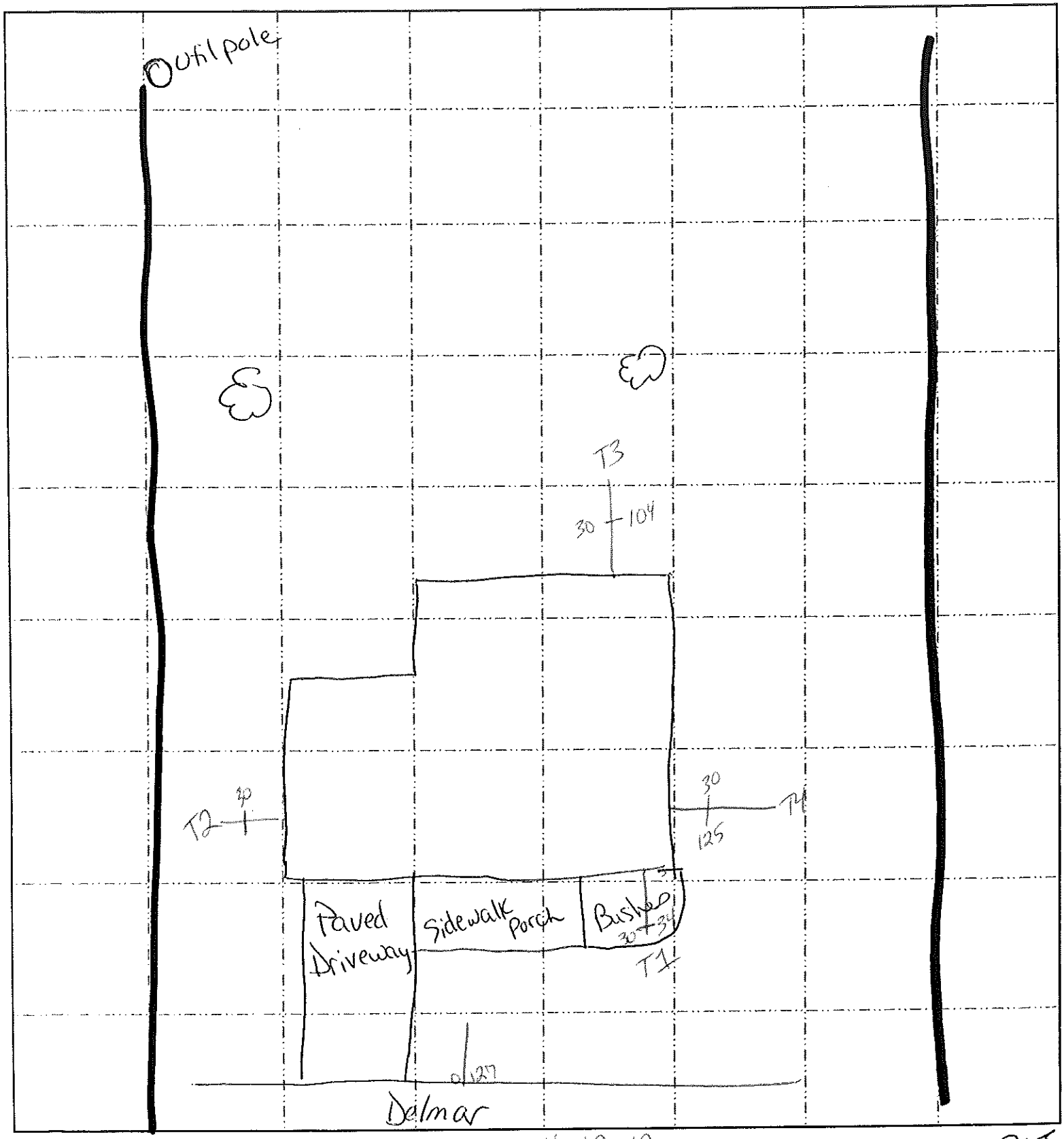
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 180 STREET: 802 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

SLS

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 180

Owner Contact Information:

Owner: Greenlee

Physical Address of Property Sampled: 802 Delmar Ave

Phone 1: 314-677-0373 Phone 2: _____

Dog Issues? __ **Year Built:** 1967

Occupant Contact Info (if not owner-occupied):

Name(s): Timothy & Jessica Greenlee, Jr.

Number of Residents: 2 ____ **Number of Children:** 1(fetus)

Physical Description of House/Property:

Comments:

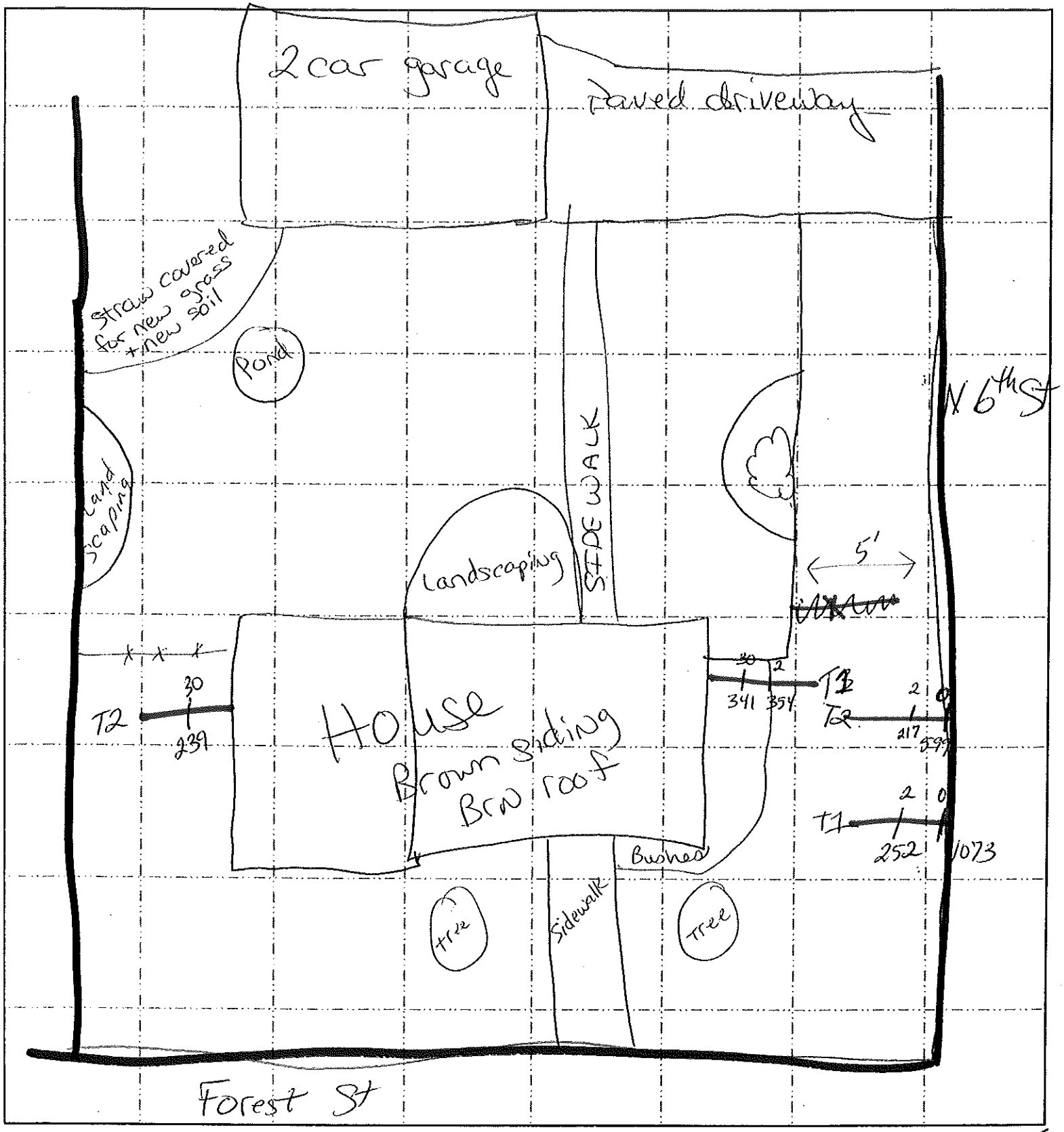
Owner lives in NC, son lives in house. Daugherin-law is pregnant.

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 159 STREET: 523 Forrest St

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

SLS

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 159

Owner Contact Information:

Owner: Forir Peggy J

Physical Address of Property Sampled: 523 Forrest St

Phone 1: 636-937-7844 Phone 2: _____

Dog Issues? yes **Year Built:** 1950

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 3 **Number of Children:** 0

Physical Description of House/Property:

brown/detached garage/corner Forrest & N 6th

Comments:

2 dogs inside back yard fence

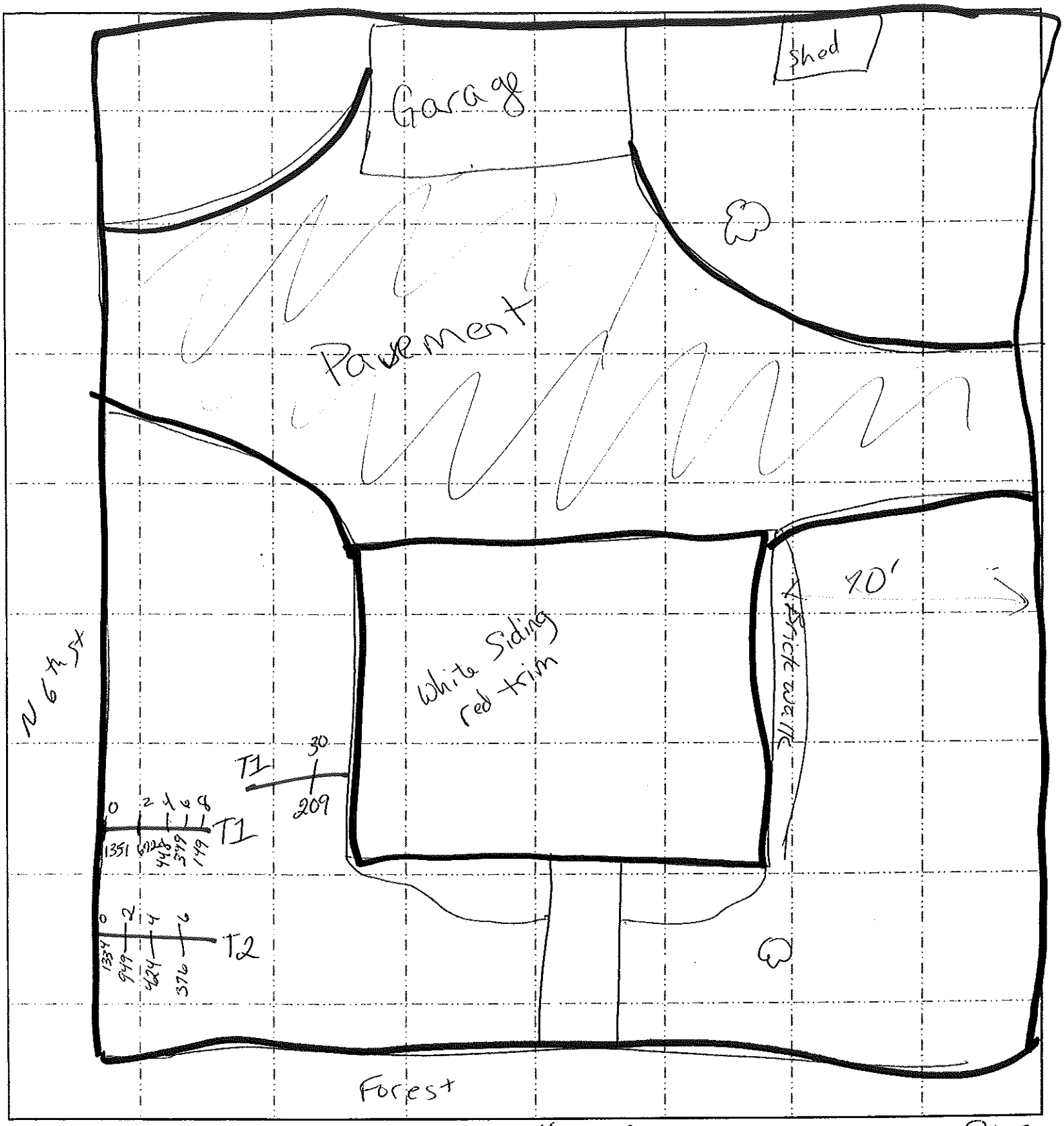
50 trucks/day
Start at 5:30Am
Vibrating soil from walls of her cellar

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 160 STREET: 524 Forrest St

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

SLS

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 160

Owner Contact Information:

Owner: Forsee James F & Judy

Physical Address of Property Sampled: 524 Forrest St

Phone 1: 636-208-8564 Phone 2: _____

Dog Issues? no **Year Built:** 1942

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

1 1/2 Story w/siding

Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 175 STREET: 811 Delmar Ave

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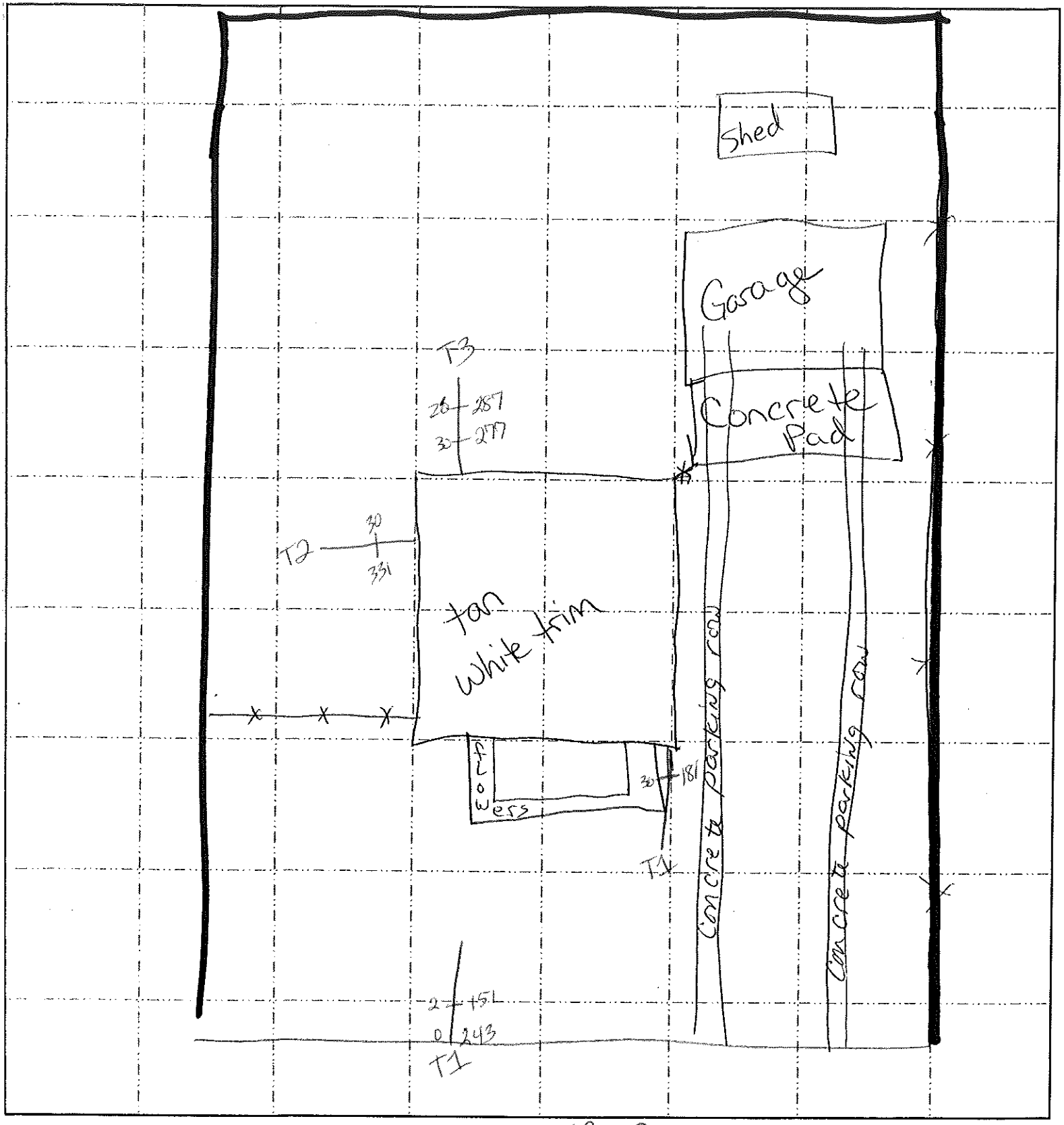


XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

SLS

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 175

Owner Contact Information:

Owner: Schilly Melissa R

Physical Address of Property Sampled: 811 Delmar Ave

Phone 1: 314-401-4032 Phone 2: _____

Dog Issues? no **Year Built:** 1935

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

tan siding w/concrete flowerbed in front

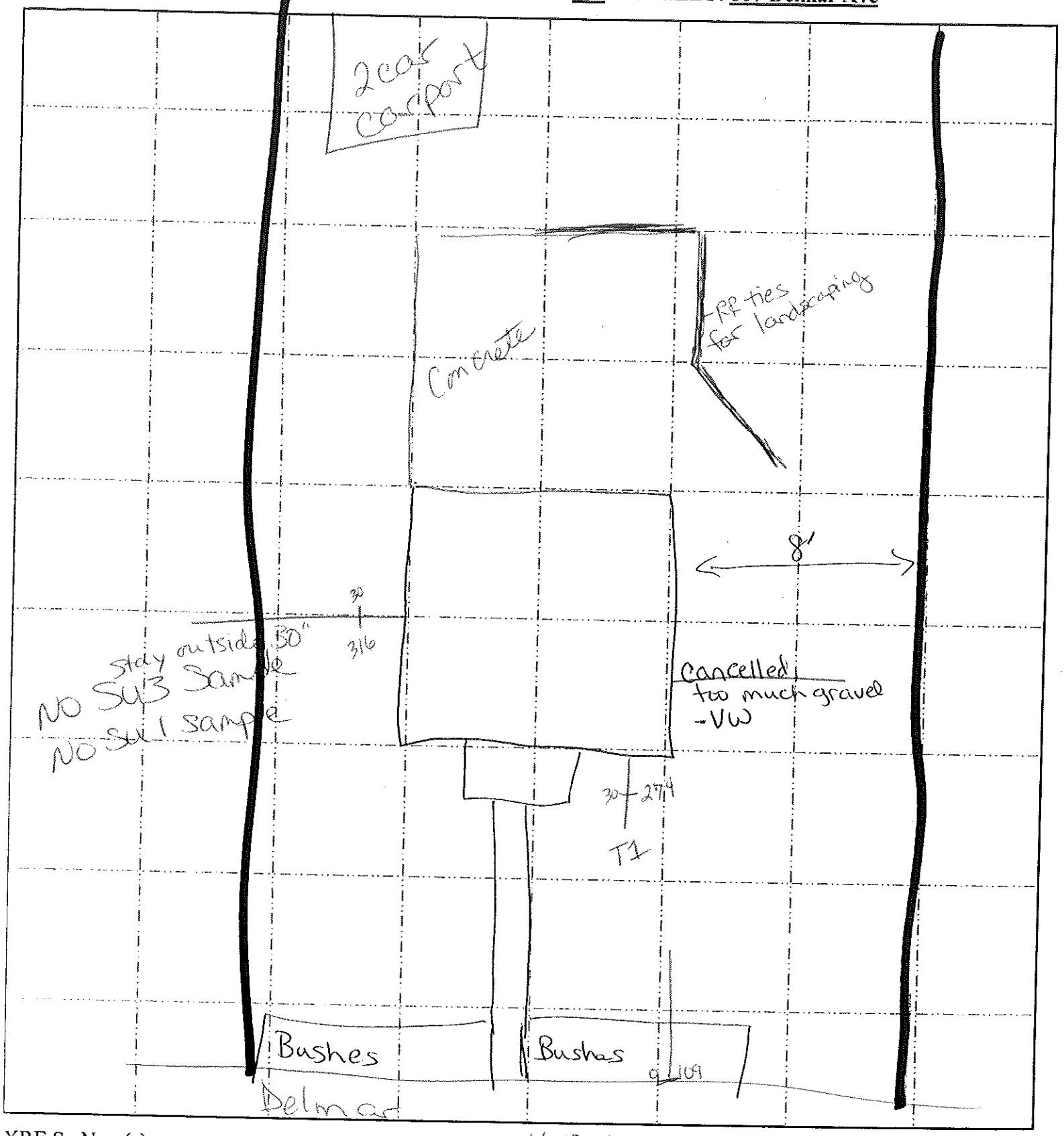
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 164 STREET: 807 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

SLS

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 164

Owner Contact Information:

Owner: Backof Daniel J

Physical Address of Property Sampled: 807 Delmar Ave

Phone 1: 636-208-1605 Phone 2: _____

Dog Issues? no **Year Built:** 1935

Occupant Contact Info (if not owner-occupied):

Name(s): Daniel Backof

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

?

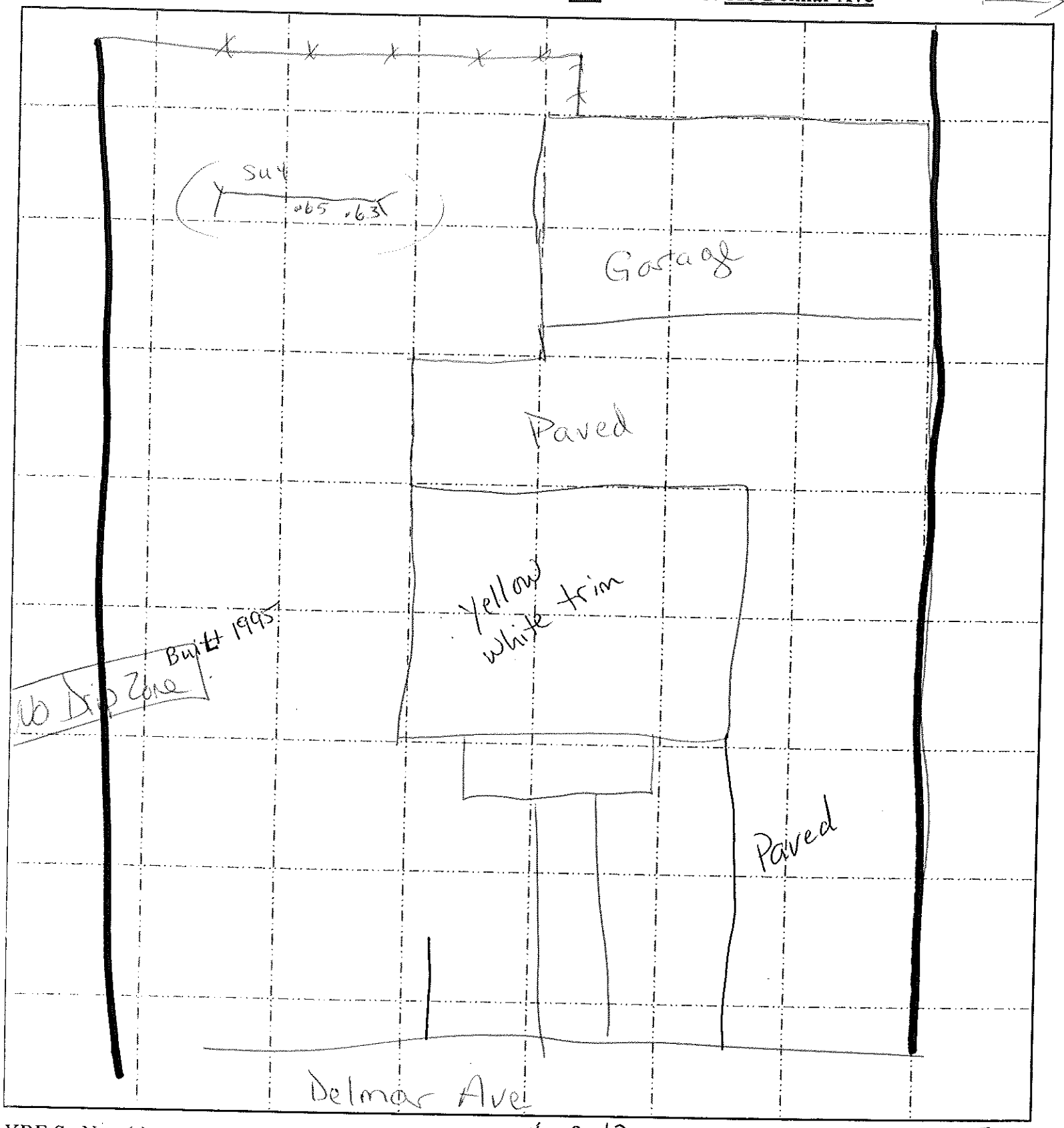
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 161 STREET: 815 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

SLS

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 161

Owner Contact Information:

Owner: Boyd Kenneth F & J Louise

Physical Address of Property Sampled: 815 Delmar Ave

Phone 1: 314-568-7536 Phone 2: 314-620-5834

Dog Issues? no **Year Built:** 1992

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: _____ _____ **Number of Children:**

Physical Description of House/Property:

Comments:

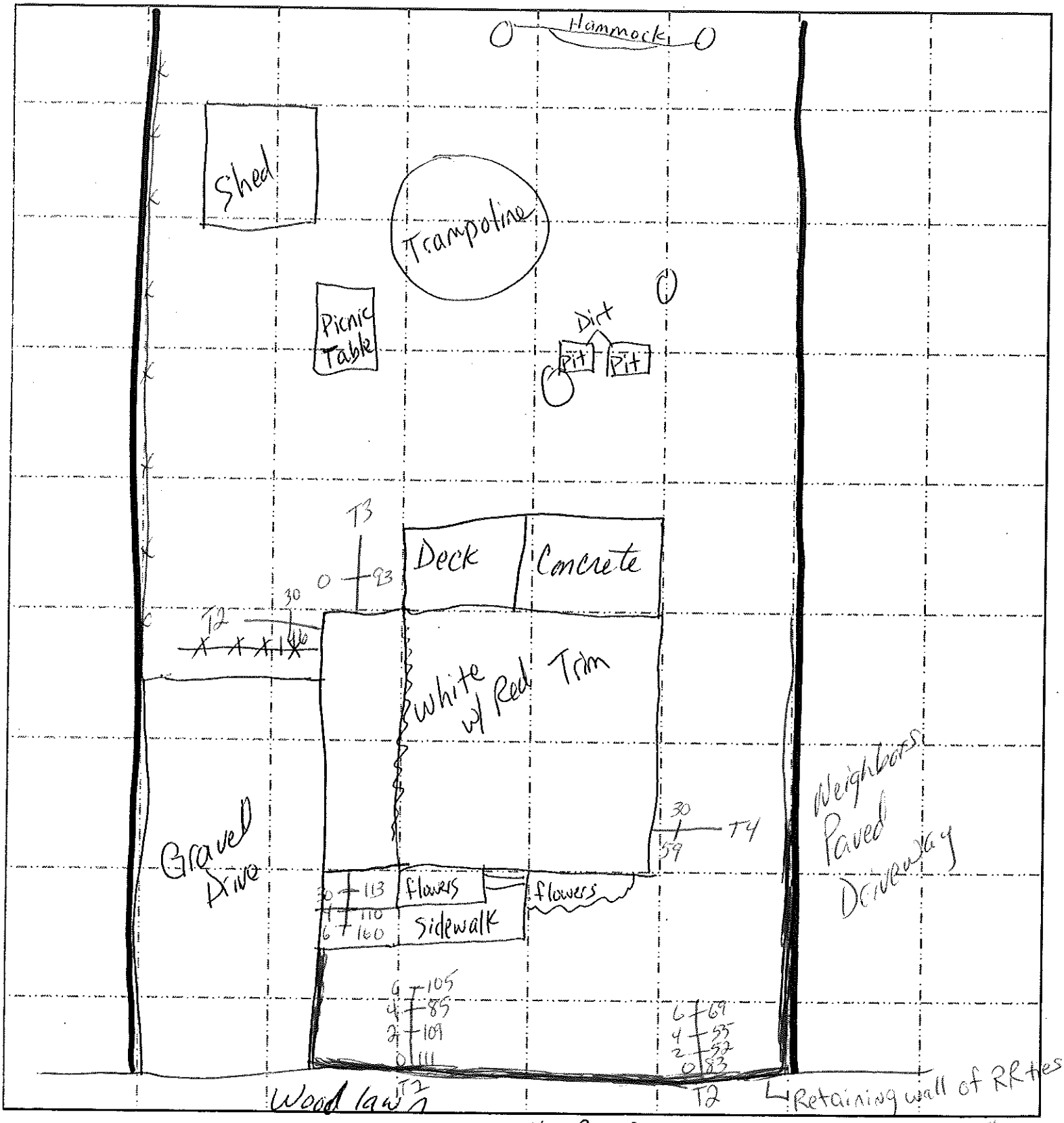
Brought in clean fill for front + back yard
No kids, but grand kids come over. Swing set is moved around yard.

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 221 **STREET:** 721 woodland ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #:_____

Owner Contact Information:

Owner: Christina Brown

Physical Address of Property Sampled: 721 Woodland Ave. Festus, MO

Phone 1: (314) 471-5712 Phone 2: _____

Dog Issues? NO **Year Built:** ~ 86 years old

Occupant Contact Info (if not owner-occupied):

Name(s): Christina Brown

Number of Residents: 4 **Number of Children:** 3

Physical Description of House/Property:

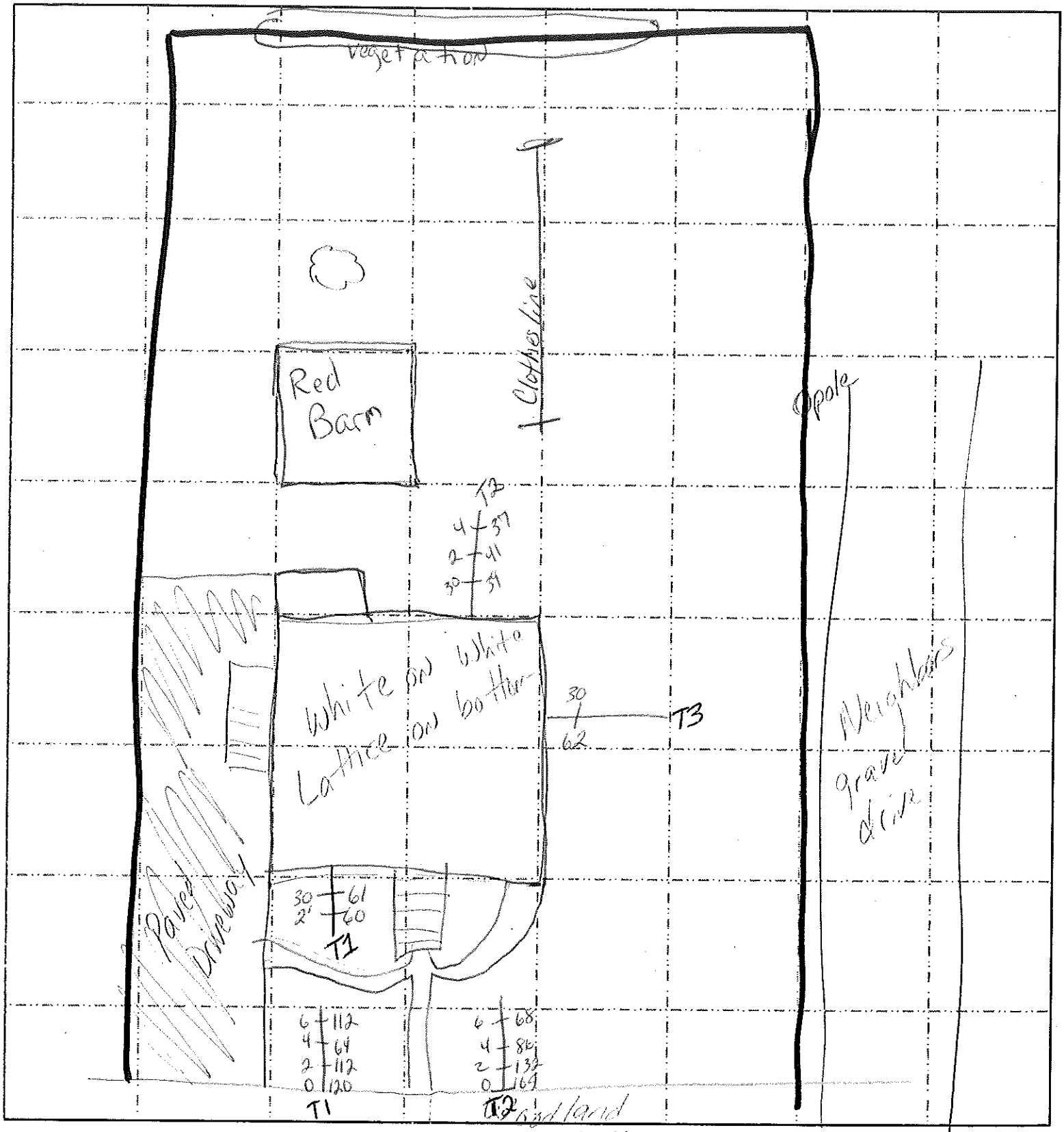
Comments:

Permission to Sample Granted Verbally By: Christina Brown **On (date):** 4/10/12

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 222 **STREET:** 725 Woodland Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #:_____

Owner Contact Information:

Owner: Donald Labuary Donald

Physical Address of Property Sampled: 725 Woodland Ave, Festus

Phone 1: (636) 937-6486 Phone 2: _____

Dog Issues? NO **Year Built:** ~1946

Occupant Contact Info (if not owner-occupied):

Name(s): Same as above

Number of Residents: 2 **Number of Children:** NO

Physical Description of House/Property:

Comments:

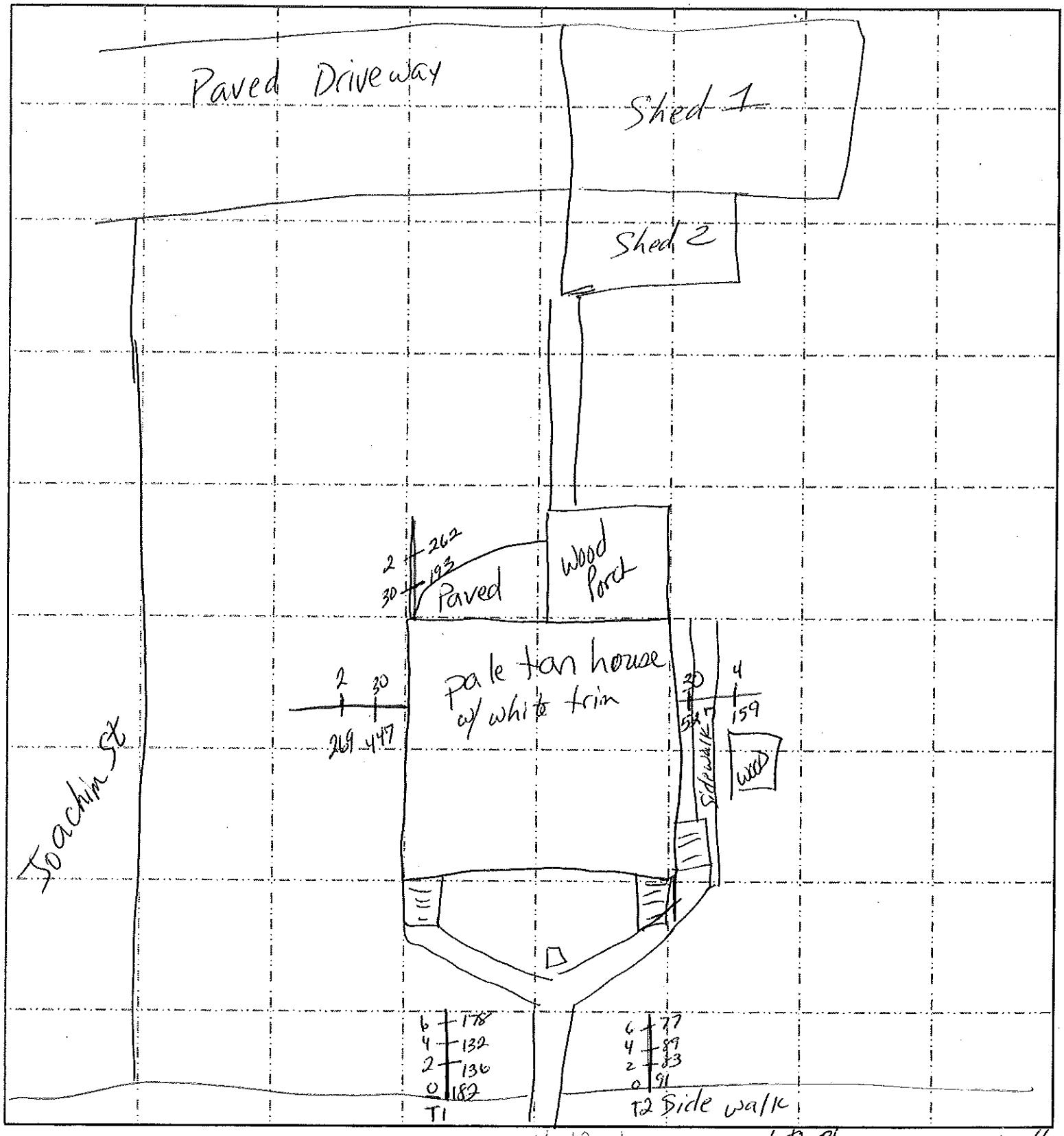
Permission to Sample Granted Verbally By: Donald Labuary **On (date):** 4/10/12

Donald Labuary

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 224 **STREET:** 623 N. 6th St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s): SS VW MS PE
KH SC, ESP
ST, SLRO

Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 224

Owner Contact Information:

Owner: Matthew Davis

Physical Address of Property Sampled: 623 N. 6th Street

Phone 1: (314) 750-7657 Phone 2: _____

Dog Issues? No **Year Built:** ~ 80 years old

Occupant Contact Info (if not owner-occupied):

Name(s): Same as above

Number of Residents: 3 **Number of Children:** —

Physical Description of House/Property:

Comments:

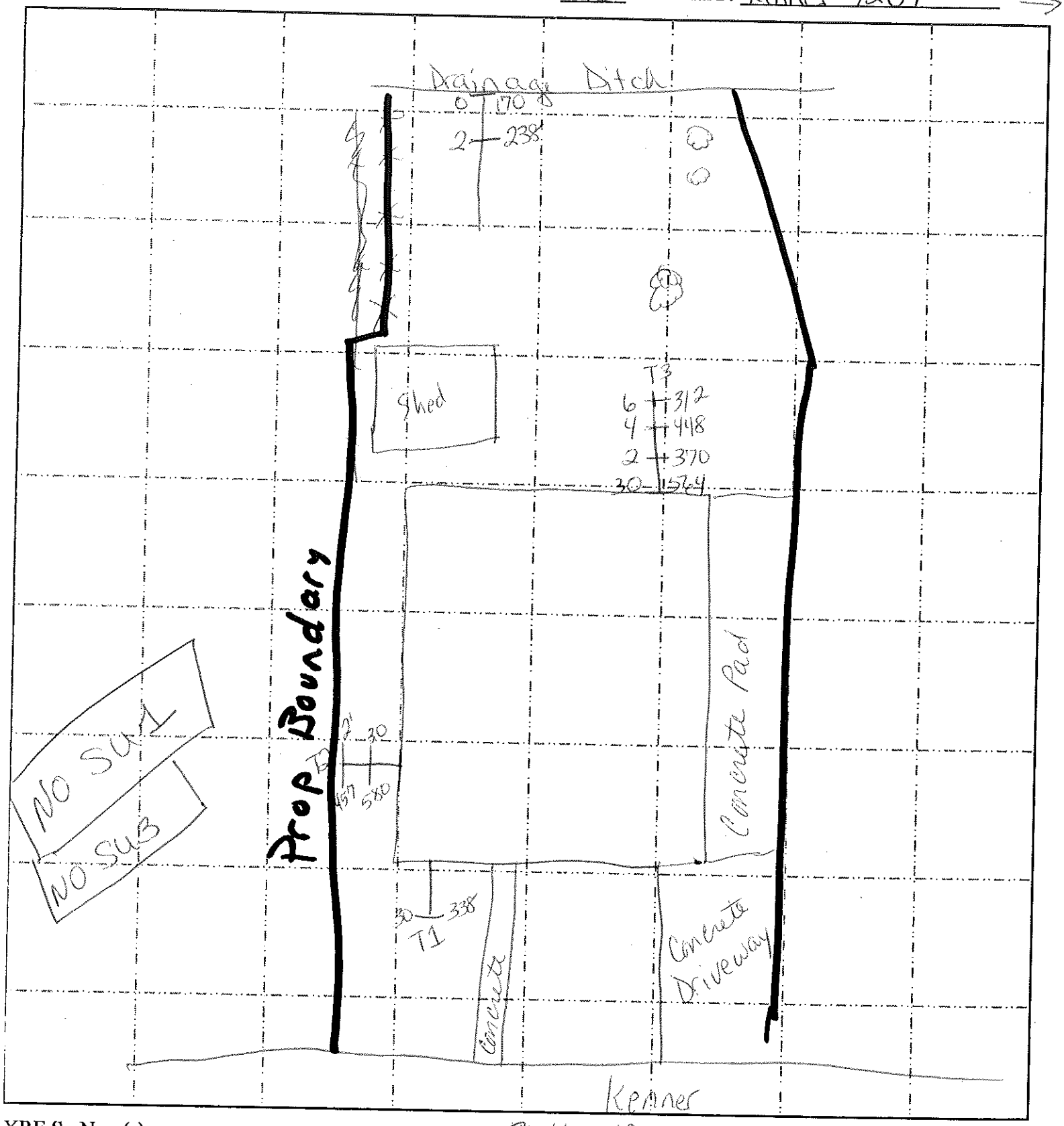
3-plex house

Permission to Sample Granted Verbally By: Matthew Davis **On (date):** 4/10/12

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 216 **STREET:** Kenner 1209

N →



XRF SerNum(s)_____ Date Screened/Sampled PA 4-11-12

Team Member(s):_____

sketch by Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 216

Owner Contact Information:

Owner: Daniel Worch

Physical Address of Property Sampled: 1209

Phone 1: 636 209 7527 Phone 2: _____

Dog Issues? _____ **Year Built:** ~1950

Occupant Contact Info (if not owner-occupied):

Name(s): _____

Number of Residents: 2 ____ **Number of Children:** 3 under 6

Physical Description of House/Property:

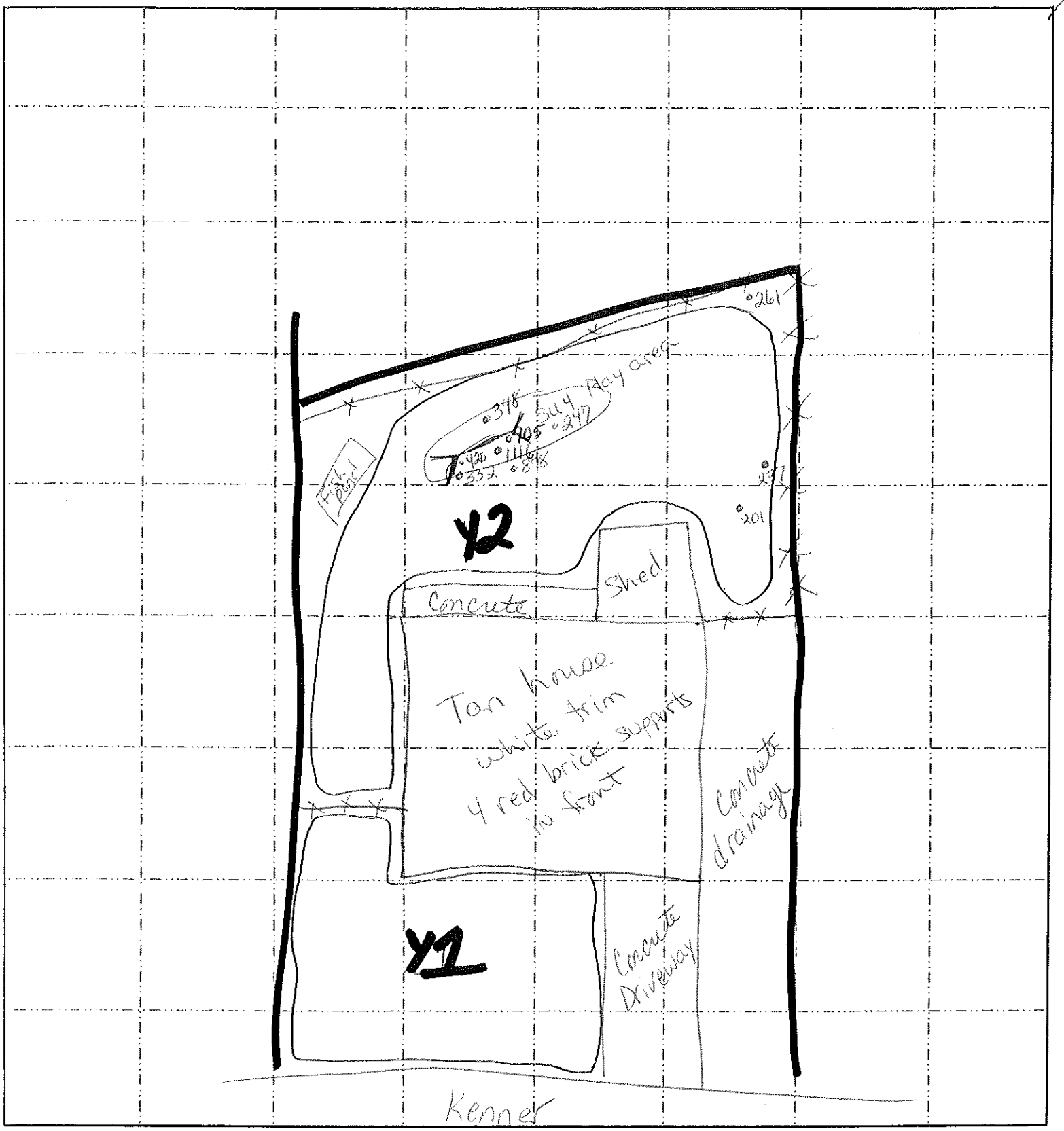
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 124 STREET: 1207 Kenner St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s):_____

Sketch by Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 124

Owner Contact Information:

Owner: Suter A. Walt & Bonnie

Physical Address of Property Sampled: 1207 Kenner St.

Phone 1: 314-541-8228 Phone 2: _____

Dog Issues? no **Year Built:** 1947

Occupant Contact Info (if not owner-occupied):

Name(s): Jason & Crystal Patterson

Number of Residents: 4 **Number of Children:** 2

Physical Description of House/Property:

lite brown (tan) vinyl siding

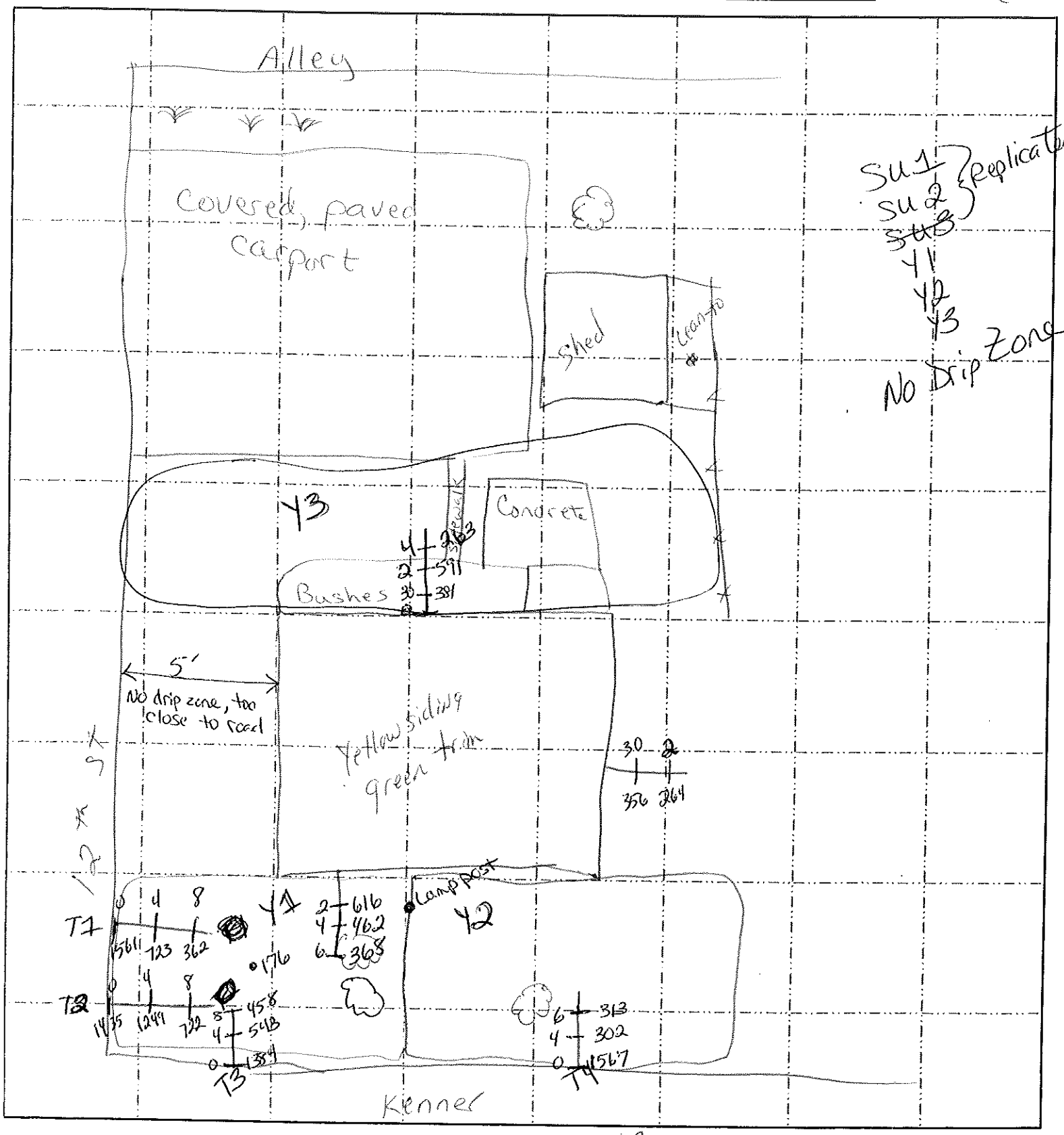
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 125 STREET: 1024 Kenner St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s):_____

Sketch by shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 125

Owner Contact Information:

Owner: Volkert Michael Jr & Randi Heideckes

Physical Address of Property Sampled: 1024 Kenner St.

Phone 1: 314-566-2321 Phone 2: _____

Dog Issues? no/inside **Year Built:** 1953

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** ~~0~~ 1, new baby

Physical Description of House/Property:

small tan ranch style w/green shutters

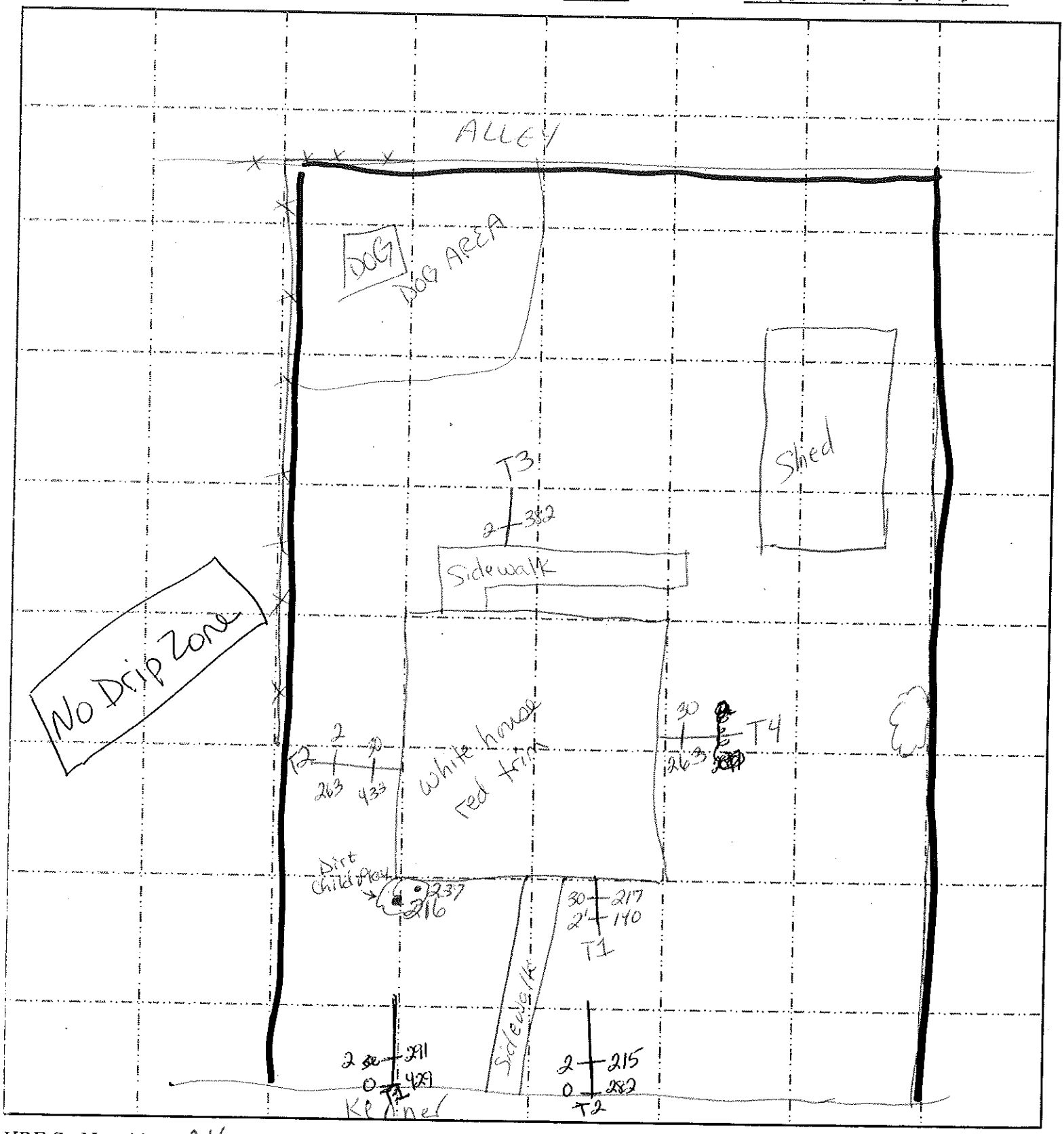
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 217 **STREET:** 1022 Kenner St.

N



XRF SerNum(s) A4 Date Screened/Sampled 4-12-11

Team Member(s): [illegible]

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #:_____

Owner Contact Information:

Owner: Danielle Parnell (renter)

Physical Address of Property Sampled: 1022 Kenner St.

Phone 1: _____ Phone 2: _____

Dog Issues? ✓ **Year Built:** —

Occupant Contact Info (if not owner-occupied):

Name(s): Trina white (owner) 1887 Manor way Ln. Fenton, MO 63026

Number of Residents: 7 **Number of Children:** 5

Physical Description of House/Property:

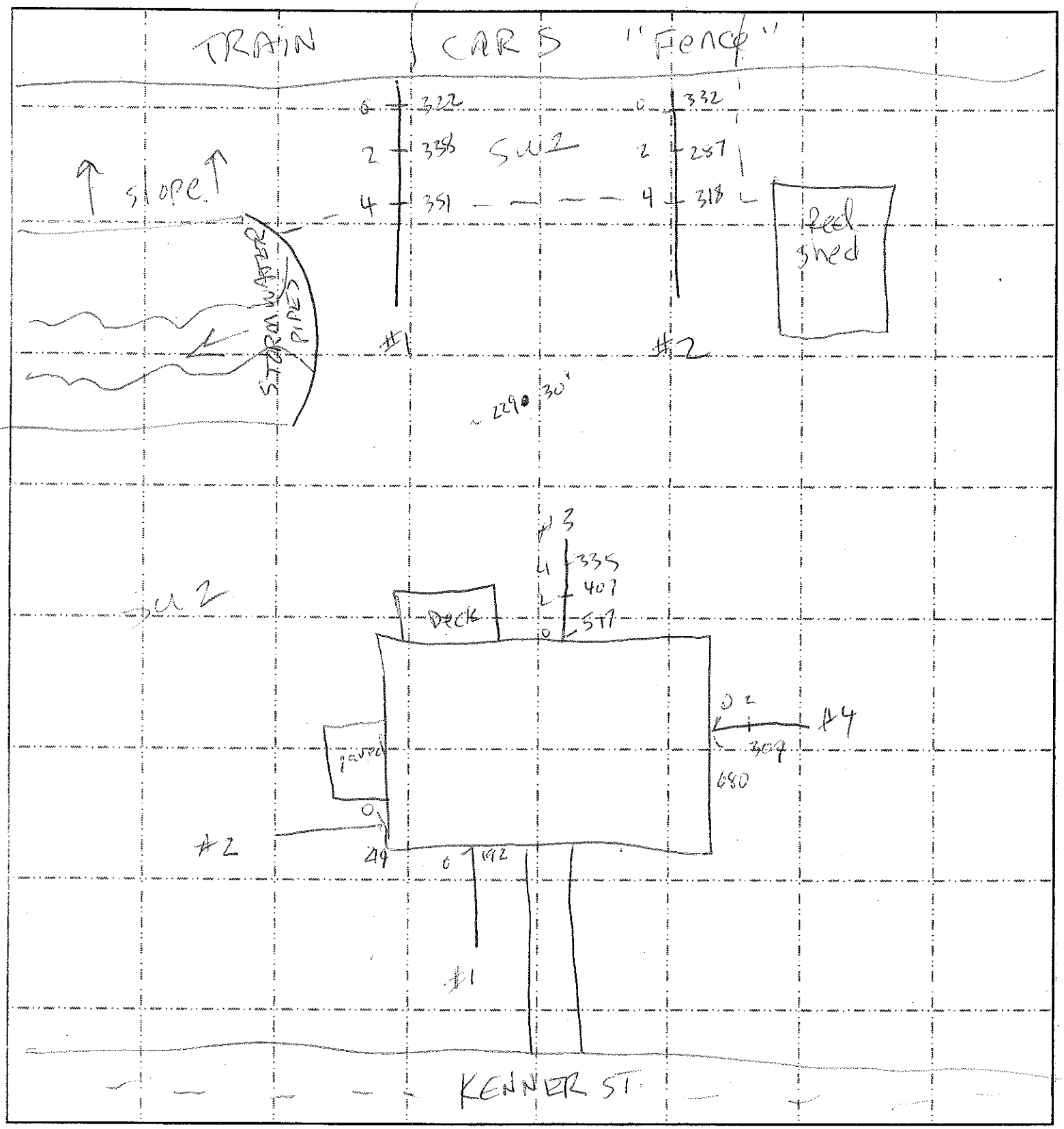
Comments:

Permission to Sample Granted Verbally By: Danielle Parnell **On (date):** 4-12-11

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 215 **STREET:** 1301 Kenner

N



XRF SerNum(s) AL1 Date Screened/Sampled 4-12-12

Team Member(s): AL

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 215

Owner Contact Information:

Owner: Rudloff Genrich L

Physical Address of Property Sampled: _____

Phone 1: _____ Phone 2: _____

Dog Issues? _____ **Year Built:**

Occupant Contact Info (if not owner-occupied):

Name(s): _____

Number of Residents: _____ ____ **Number of Children:** _____

Physical Description of House/Property:

Comments:

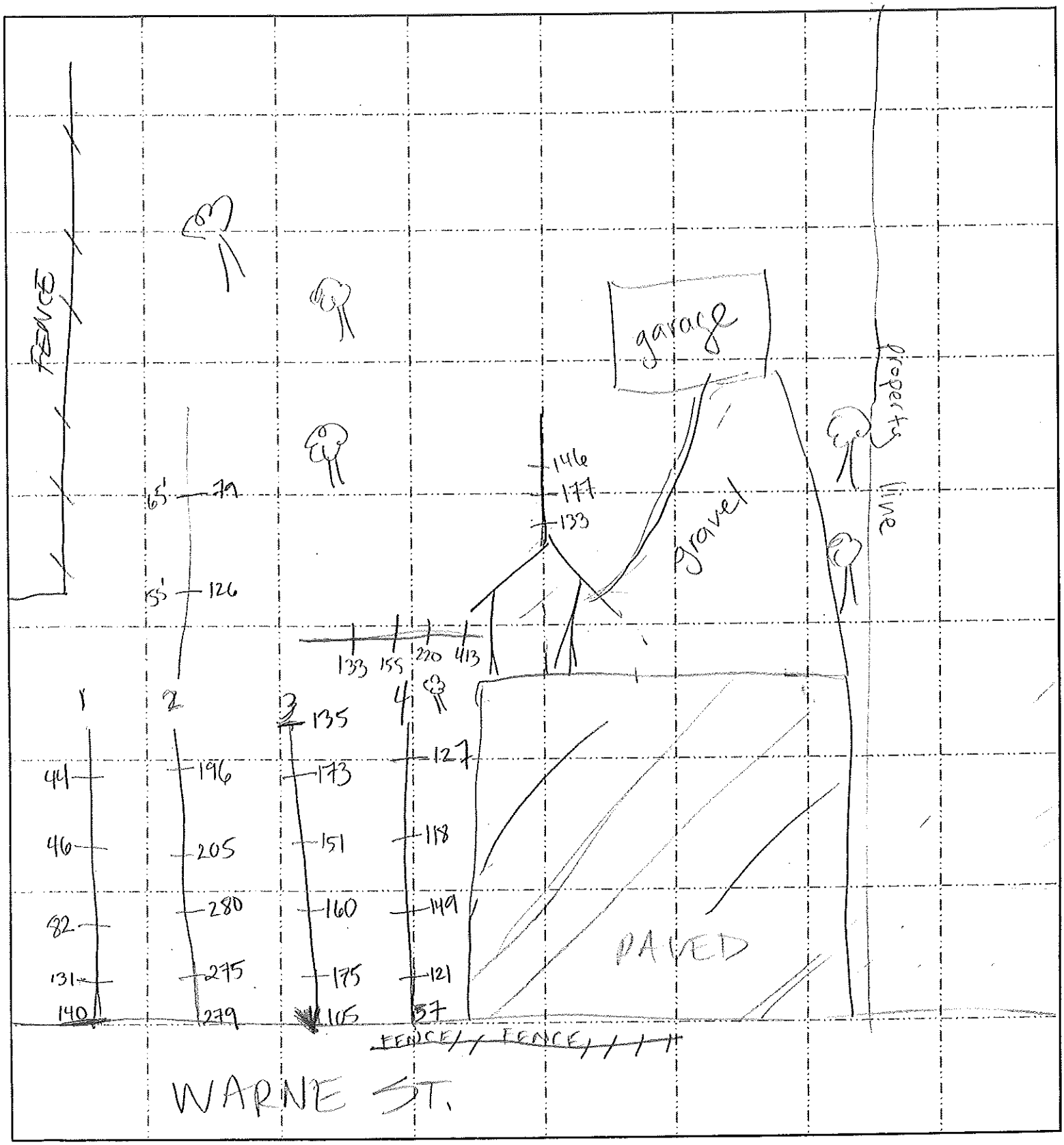
Rental, Green siding

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 139 STREET: 809 Warne St

N



XRF SerNum(s) 5434 5444 5420 Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 139

Owner Contact Information:

Owner: Fite Irene

Physical Address of Property Sampled: 809 Warne St

Phone 1: 314-780-7717 Phone 2: _____

Dog Issues? no **Year Built:** 1940

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 0 **Number of Children:** 0

Physical Description of House/Property:

Ranch style with partial cellar

Comments:

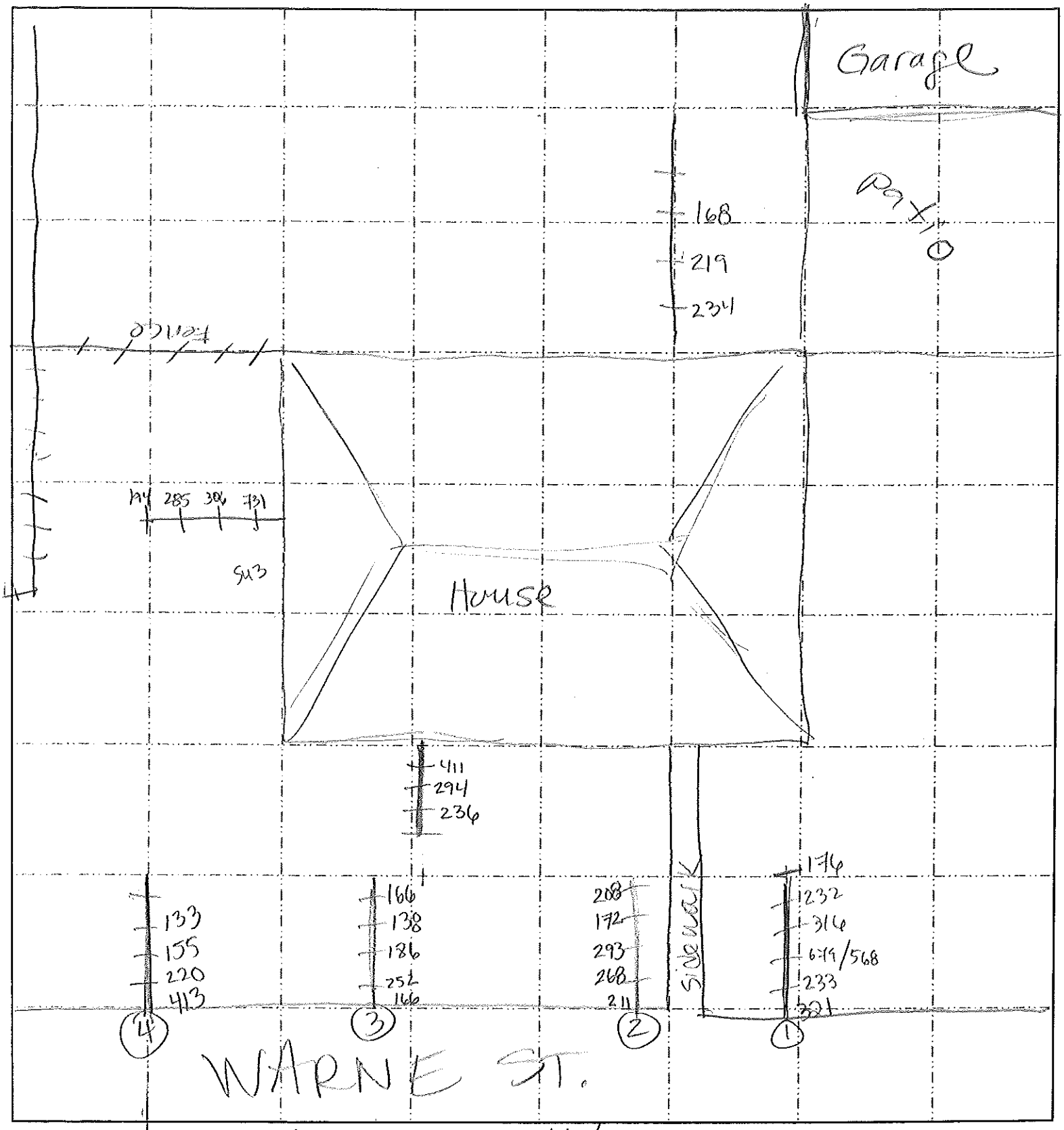
daughter Sherrie has power of attorney

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 174 STREET: 616 Warne St

N



XRF SerNum(s) 5420, 5424, 5444, 6424 Date Screened/Sampled 4/9/2012

Team Member(s):

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 174

Owner Contact Information:

Owner: Struttmann Robert A & Donata A

Physical Address of Property Sampled: 616 Warne St

Phone 1: 636-937-3013 Phone 2: _____

Dog Issues? no **Year Built:** 1940

Occupant Contact Info (if not owner-occupied):

Name(s): Robert & Donata Struttman

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

siding, sm frnt porch, patio & shed in back, garage

Comments:

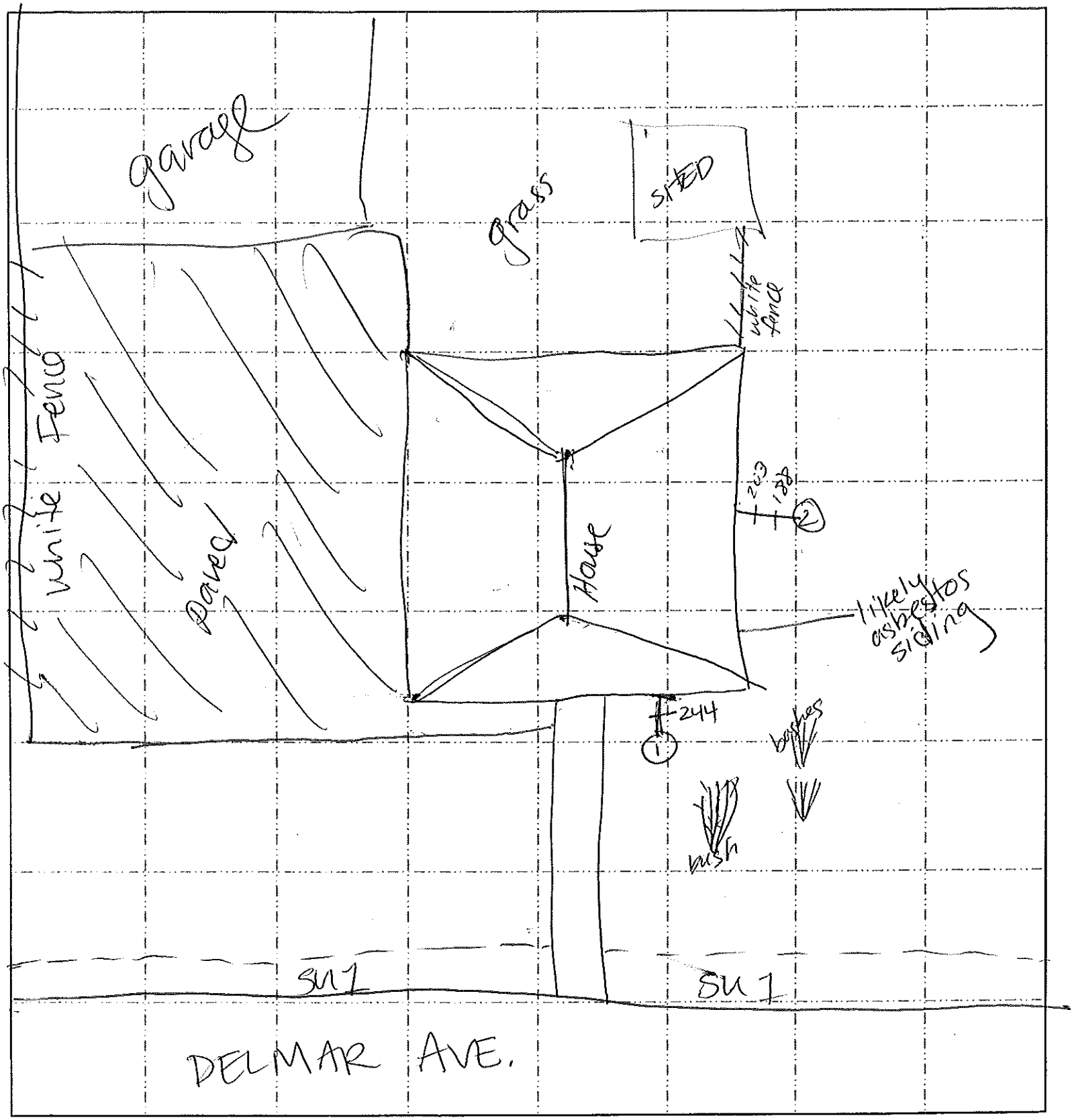
dog is harmless in fenced back yard

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 155 STREET: 847 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 155

Owner Contact Information:

Owner: Operle Wayne & Shirley

Physical Address of Property Sampled: 847 Delmar Ave

Phone 1: 636-937-7873 Phone 2: _____

Dog Issues? no **Year Built:** 1948

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

white siding, large front porch w/porch swing

Comments:

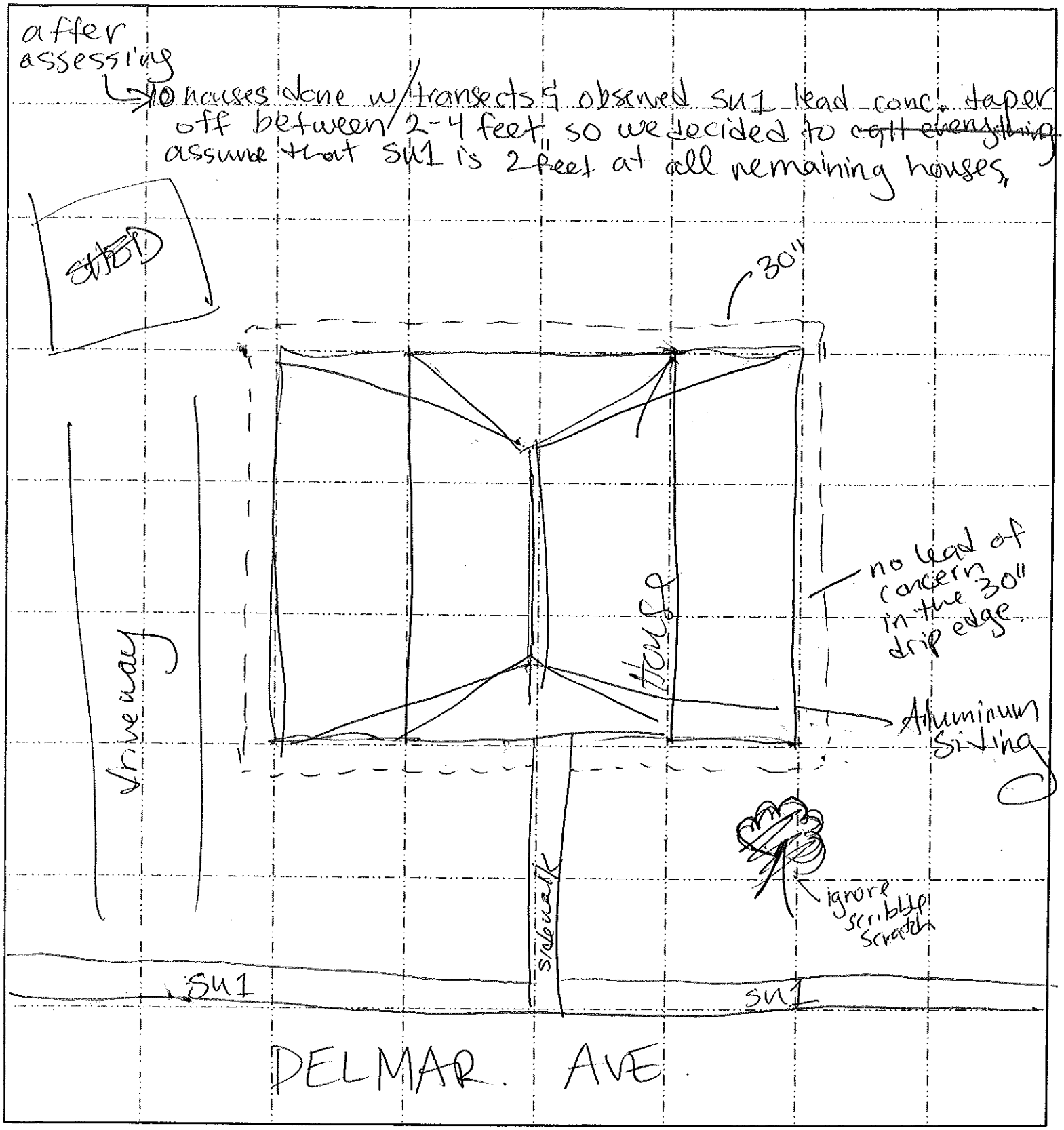
Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 133 STREET: 851 Delmar Ave

N

after assessing 10 houses done w/transects & observed SU1 lead conc. taper off between 2-4 feet, so we decided to ~~call everything~~ assume that SU1 is 2 feet at all remaining houses.



XRF SerNum(s)_____ Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 133

Owner Contact Information:

Owner: Schilling Michael & Joy

Physical Address of Property Sampled: 851 Delmar Ave

Phone 1: 314-623-5561 Phone 2: _____

Dog Issues? yes **Year Built:** 1946

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

yellow 1 story

Comments:

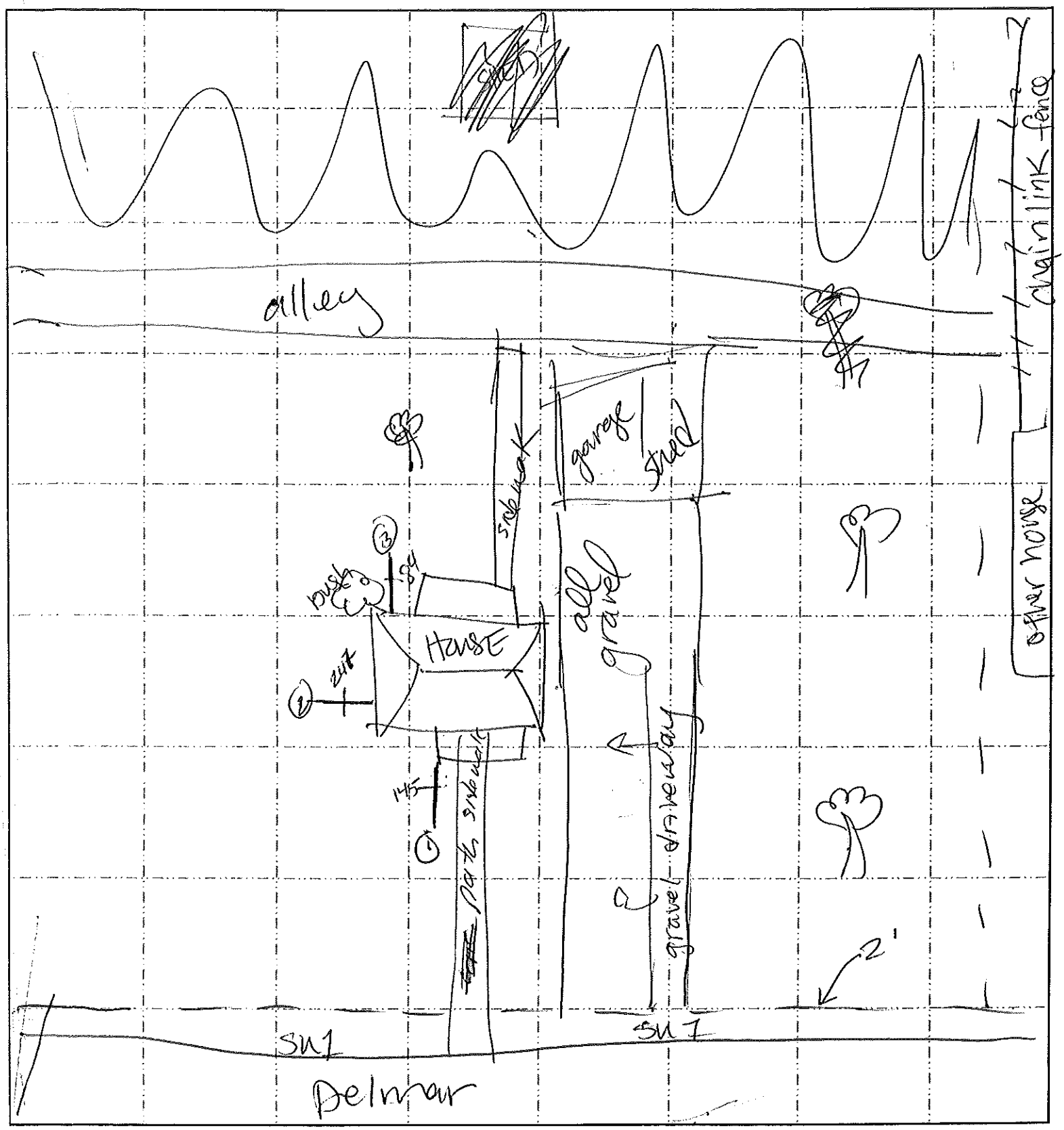
ok for front/call for back/mean dogs

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 134 STREET: 835 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 134

Owner Contact Information:

Owner: Hanley David B

Physical Address of Property Sampled: 835 Delmar Ave

Phone 1: 636-937-0678 Phone 2: _____

Dog Issues? no **Year Built:** 1940

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

small 3 bedroom home

Comments:

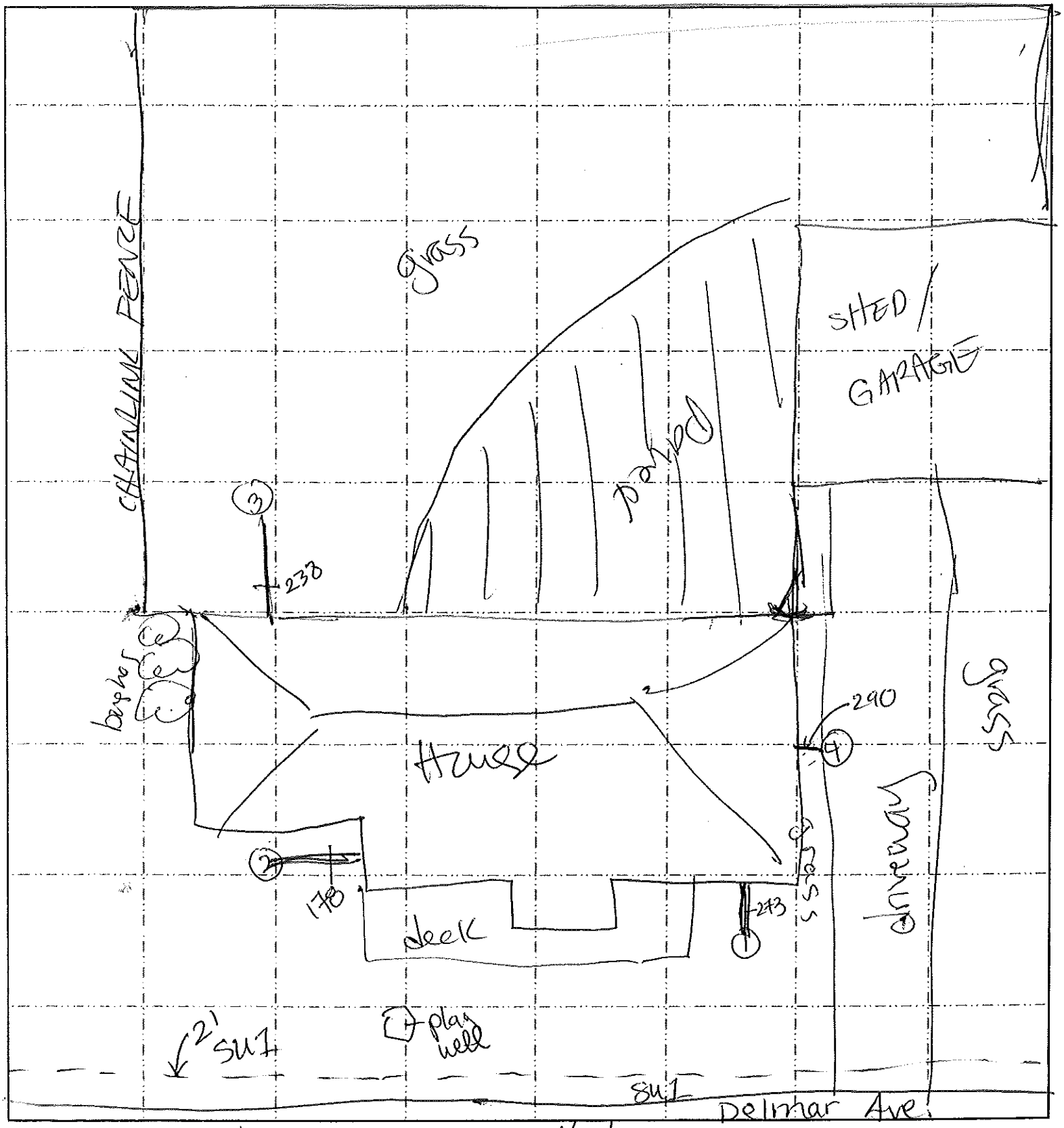
above line is same person

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 154 STREET: 843 Delmar Ave

N



XRF SerNum(s) SHELLY & PAUL Date Screened/Sampled 4/10/2012

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 154

Owner Contact Information:

Owner: LaChance Eugene

Physical Address of Property Sampled: 843 Delmar Ave

Phone 1: 636-931-5457 Phone 2: _____

Dog Issues? no **Year Built:** 1940

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 2 **Number of Children:** 0

Physical Description of House/Property:

Comments:

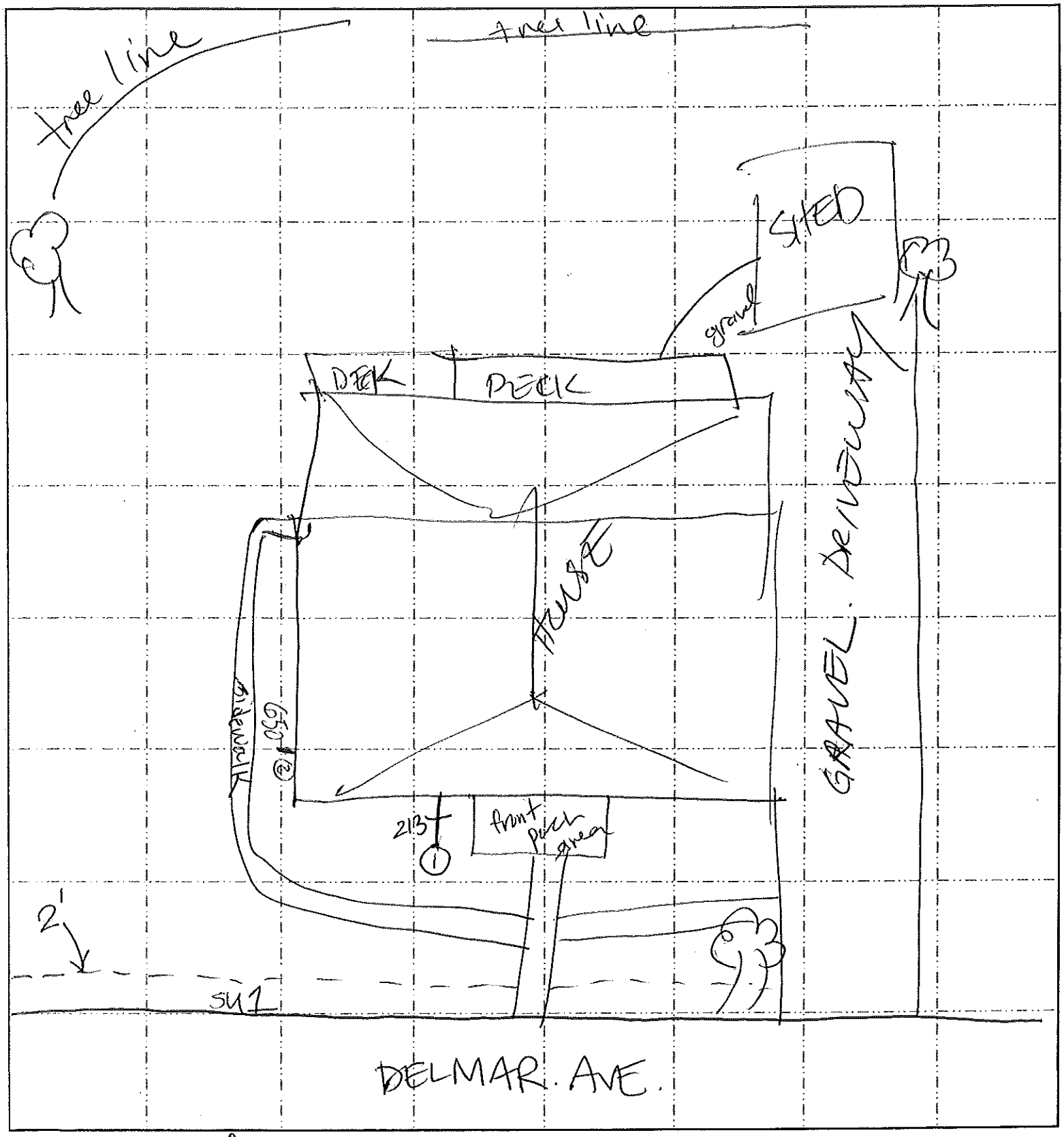
daughter lives with him/wife deceased

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 148 STREET: 838 Delmar Ave

N



XRF SerNum(s) Paul Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 148

Owner Contact Information:

Owner: Roth Sandy

Physical Address of Property Sampled: 838 Delmar Ave

Phone 1: 314-259-2746 Phone 2: 314-713-5150

Dog Issues? no **Year Built:** 1940

Occupant Contact Info (if not owner-occupied):

Name(s): Jennifer Casey

Number of Residents: 4 **Number of Children:** 0

Physical Description of House/Property:

3 bedroom bungalow w/partial basement

Comments:

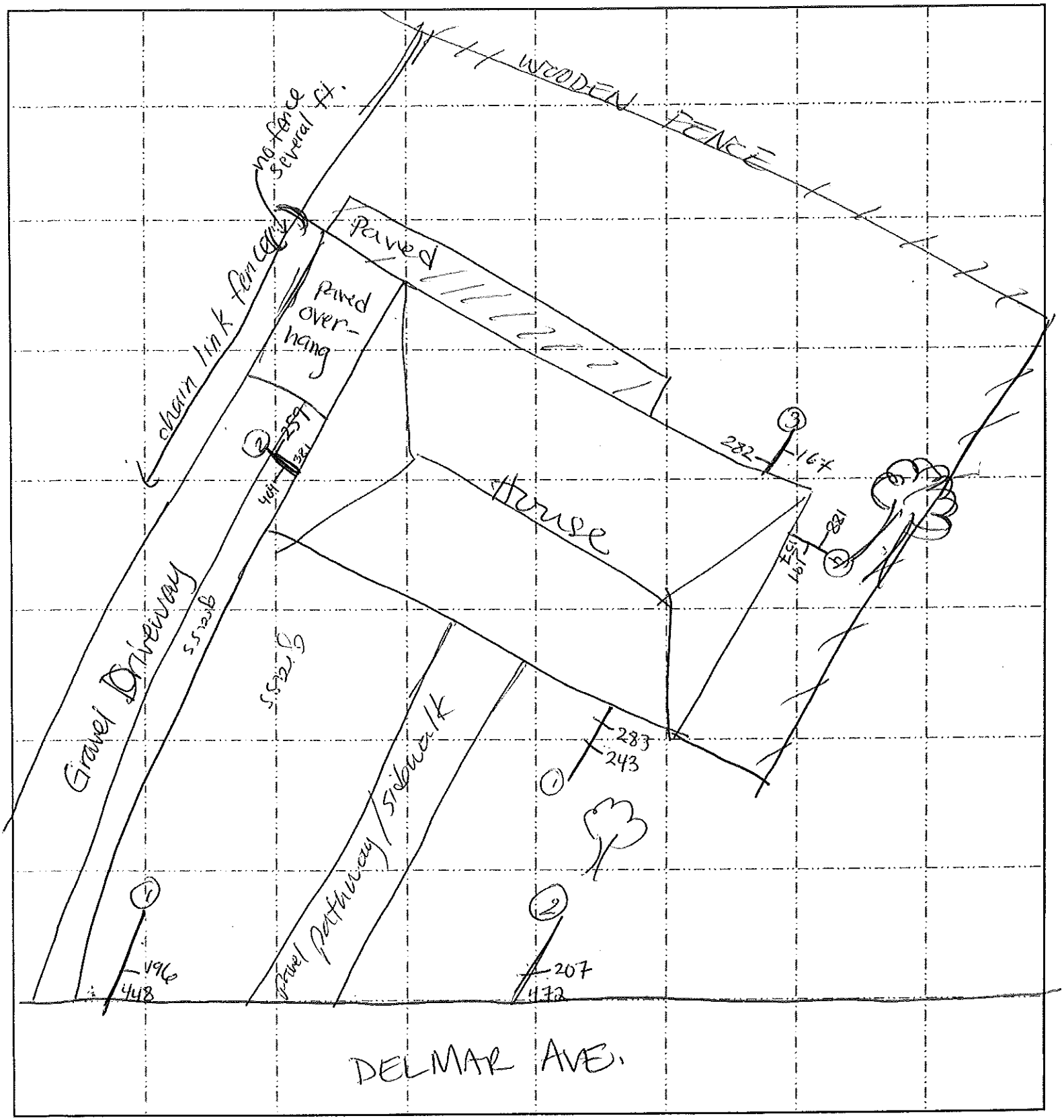
occupant #636-209-0740

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 143 STREET: 855 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 143

Owner Contact Information:

Owner: Fenton Carrie

Physical Address of Property Sampled: 855 Delmar Ave

Phone 1: 636-208-6968 Phone 2: 636-232-6304

Dog Issues? no **Year Built:** 1950

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 5 **Number of Children:** 1

Physical Description of House/Property:

yellow siding, driveway & carport on side

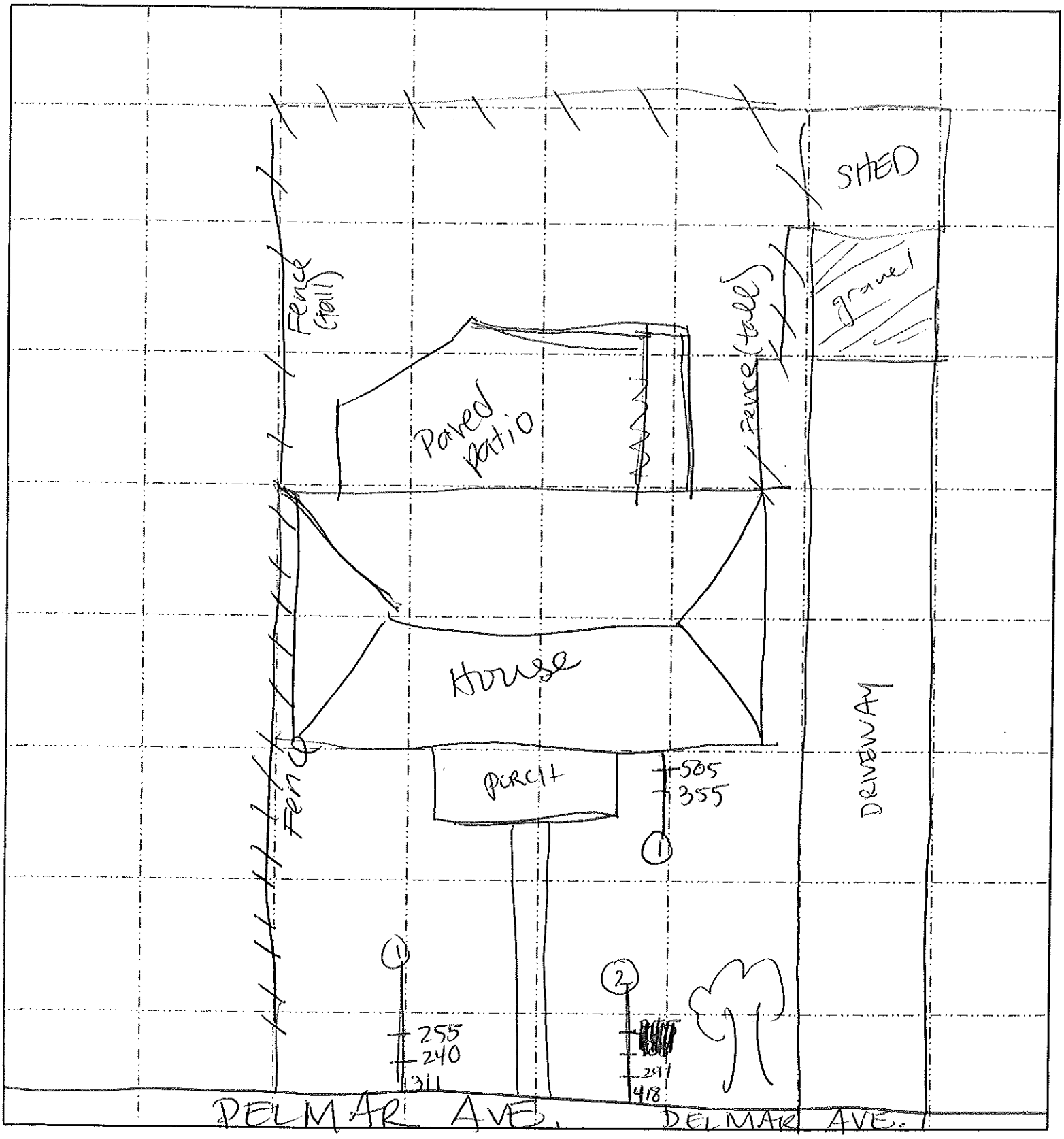
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 146 STREET: 854 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 146

Owner Contact Information:

Owner: Corbin Jeffrey D & Ellen R

Physical Address of Property Sampled: 854 Delmar Ave

Phone 1: 636-548-6321 Phone 2: _____

Dog Issues? no **Year Built:** 1930

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 4 **Number of Children:** 0

Physical Description of House/Property:

small beige w/brown trim

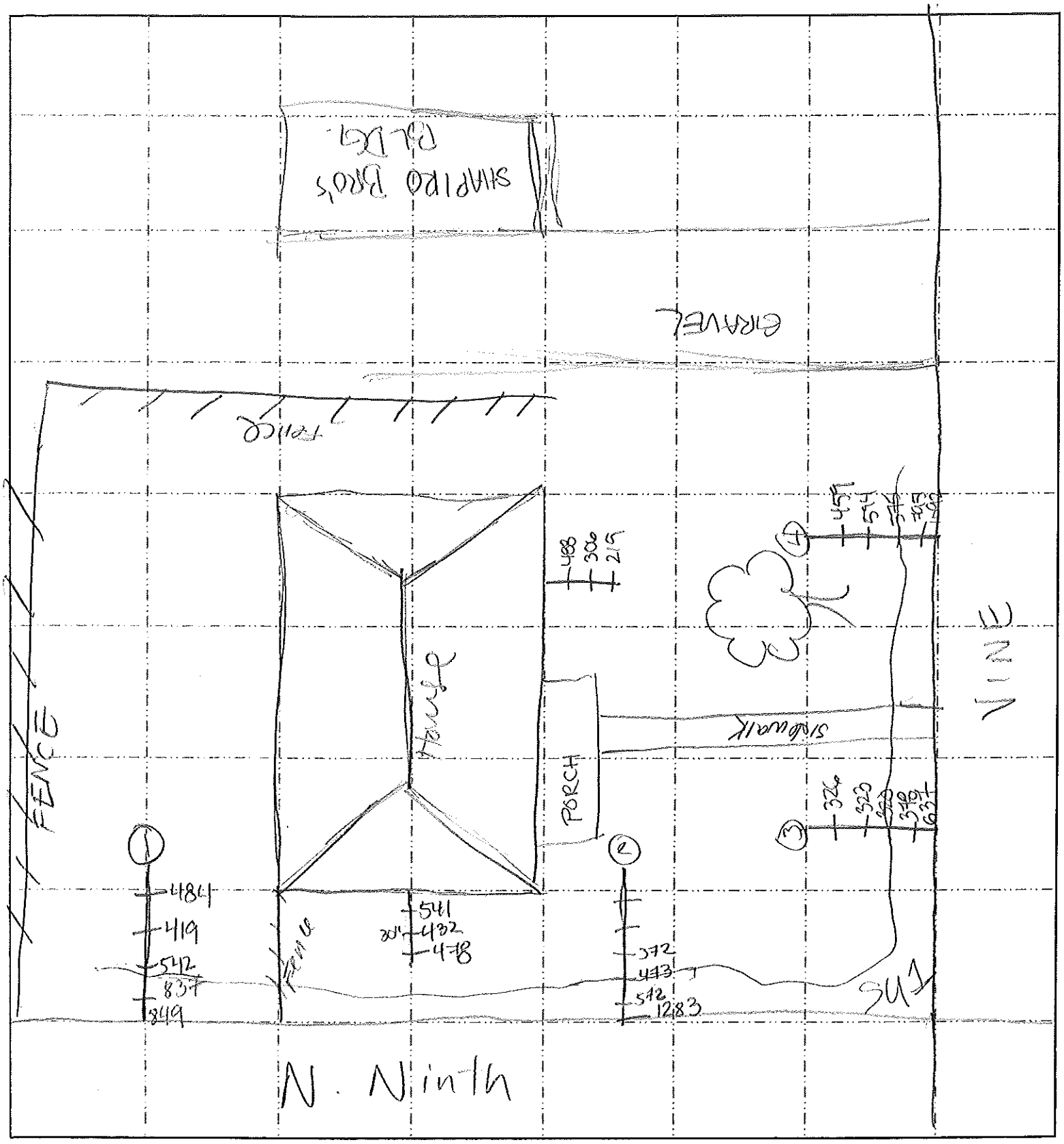
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 103 STREET: 111 N. Ninth St.

N



XRF SerNum(s)_____ Date Screened/Sampled_____

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 103

Owner Contact Information:

Owner: Baker Eric & Dawn

Physical Address of Property Sampled: 111 N. Ninth St.

Phone 1: 314-795-6929 Phone 2: _____

Dog Issues? yes (2) **Year Built:** 1948

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 3 **Number of Children:** 0

Physical Description of House/Property:

Filthy w/black soot that won't wash off

Comments:

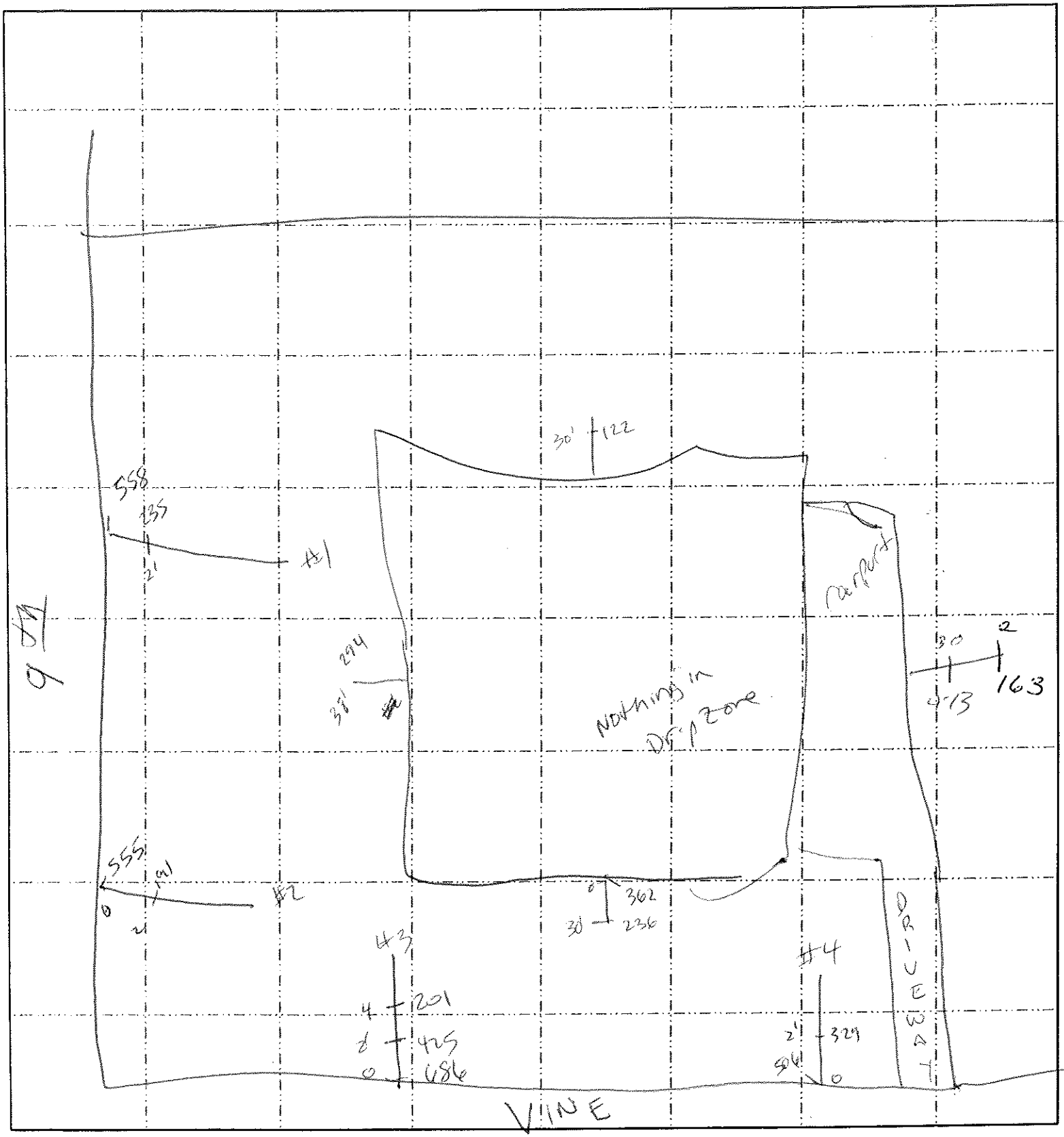
Eric's address is 111 N. 9th Street

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 127 STREET: 116 N. Ninth St.

N



XRF SerNum(s) 011 Date Screened/Sampled 4-10-12

Team Member(s): AL

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 127

Owner Contact Information:

Owner: Steiger Family Trust

Physical Address of Property Sampled: 116 N. Ninth St.

Phone 1: 636-931-8505 Phone 2: _____

Dog Issues? no **Year Built:**

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: _____ _____ **Number of Children:**

Physical Description of House/Property:

Brick ranch style

Comments:

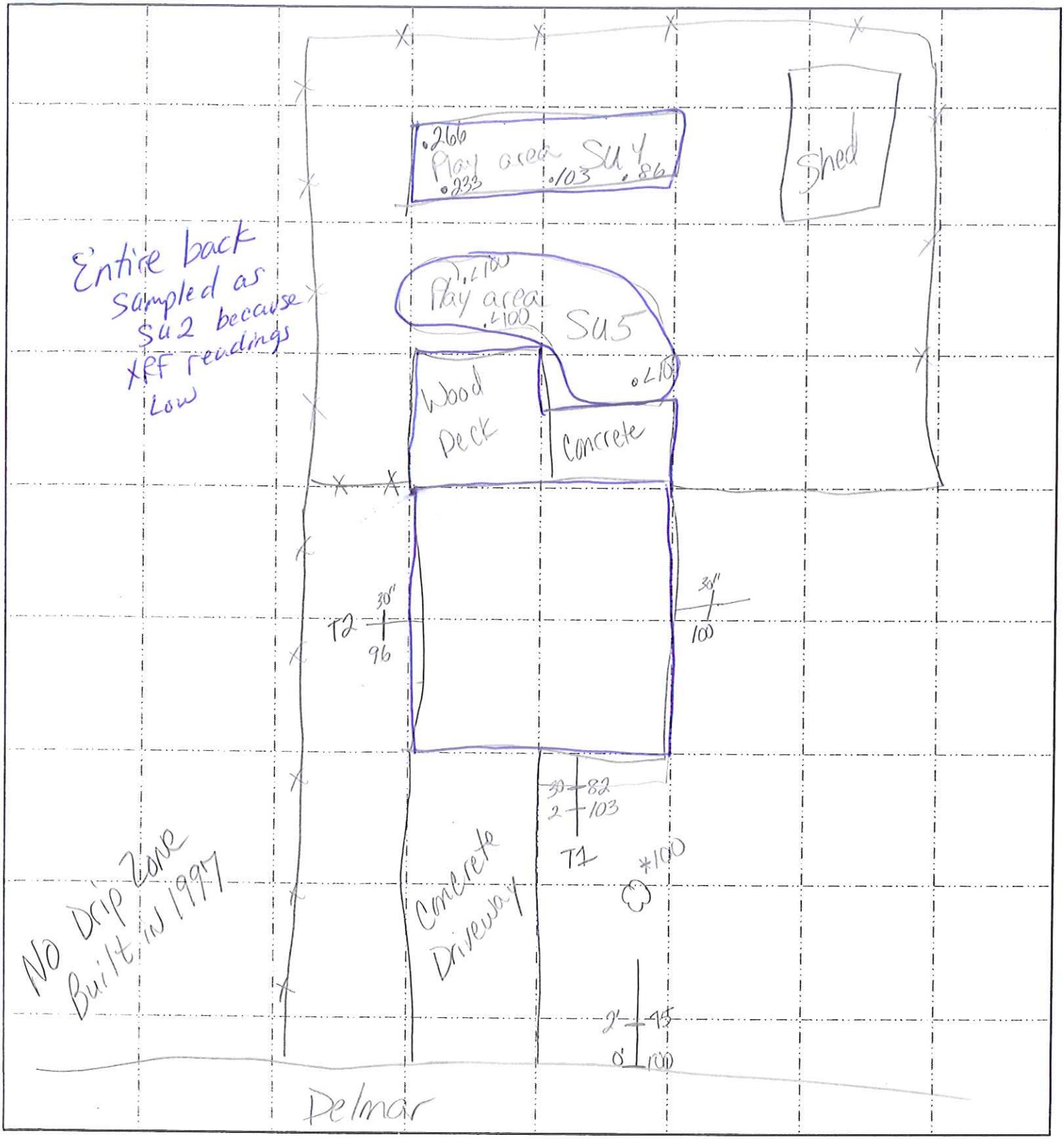
didn't fill out whole form

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 163 STREET: 819 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled_____

Team Member(s):_____

Sketch: SLJ

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 163

Owner Contact Information:

Owner: Smith James & Jessica

Physical Address of Property Sampled: 819 Delmar Ave

Phone 1: 937-1979 Phone 2: _____

Dog Issues? no **Year Built:** 1997

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 6 **Number of Children:** 2

Physical Description of House/Property:

ranch style

Comments:

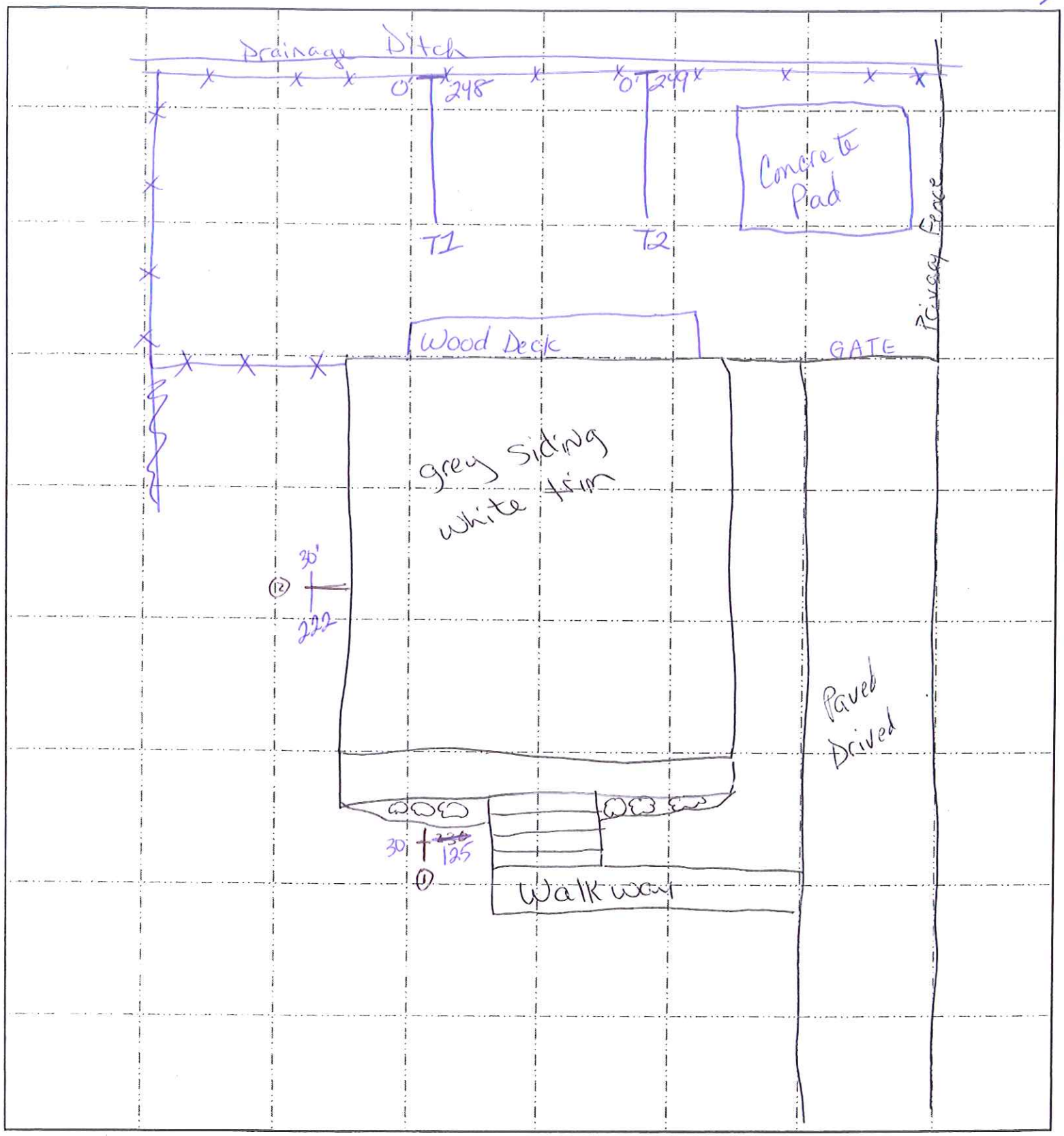
4 kids viewed in window
possible private day care?
many, many kids toys in back

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 123 STREET: 1215 Kenner St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s):_____

Sketch by Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 123

Owner Contact Information:

Owner: Stevenson Angi Y

Physical Address of Property Sampled: 1215 Kenner St.

Phone 1: 314-603-7133 Phone 2: _____

Dog Issues? yes **Year Built:** 1938

Occupant Contact Info (if not owner-occupied):

Name(s): Renee Stevenson

Number of Residents: 2 **Number of Children:** 1

Physical Description of House/Property:

white & grey

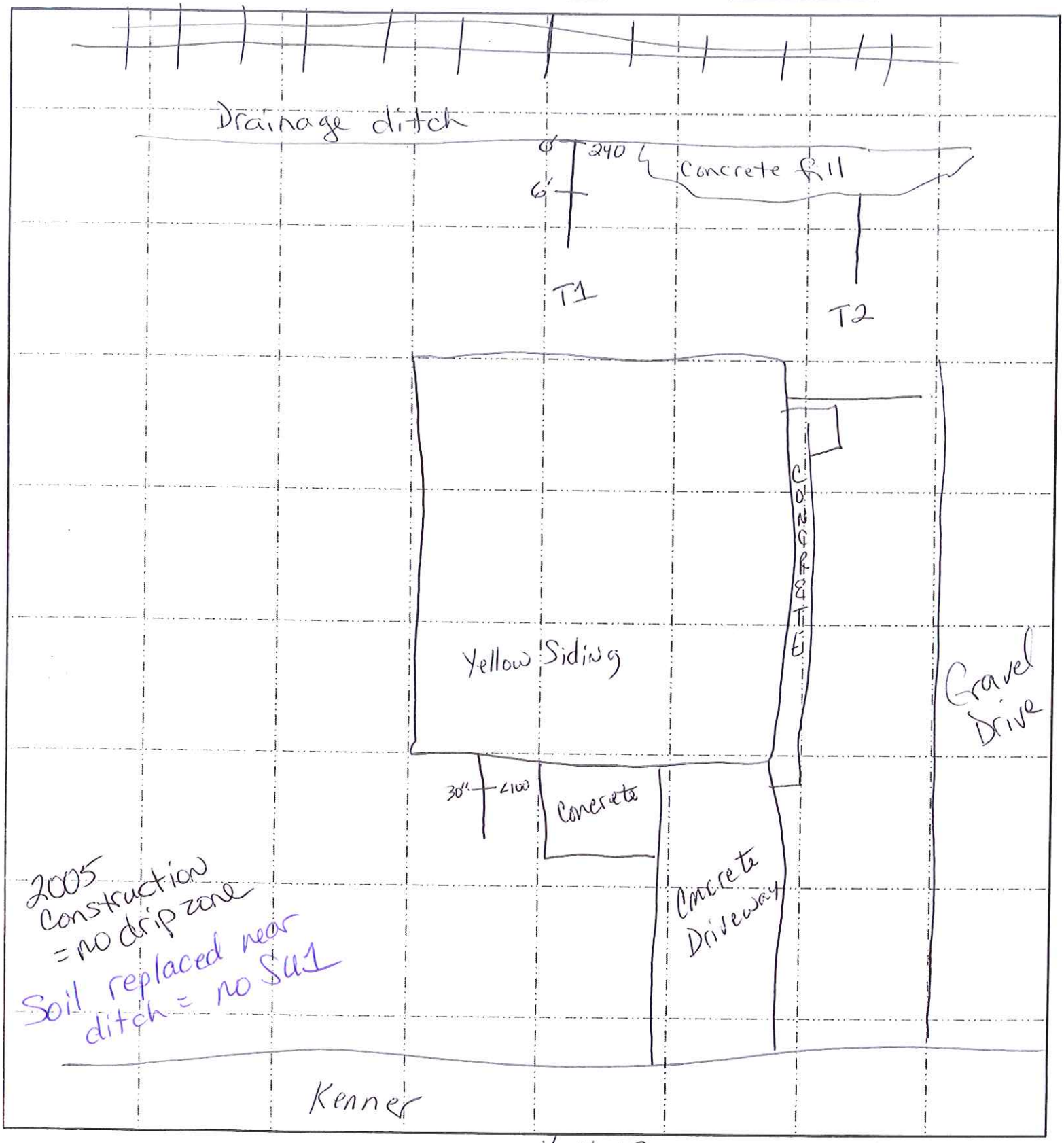
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 108 STREET: 1219 Kenner St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12 Sketch by Shelly

Team Member(s):_____

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 108

Owner Contact Information:

Owner: Dorlac Donald

Physical Address of Property Sampled: 1219 Kenner St.

Phone 1: 314-800-4082 Phone 2: _____

Dog Issues? no **Year Built:** 2005

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

corner of 13th & Kenner, yellow hse w/1 car garage

Comments:

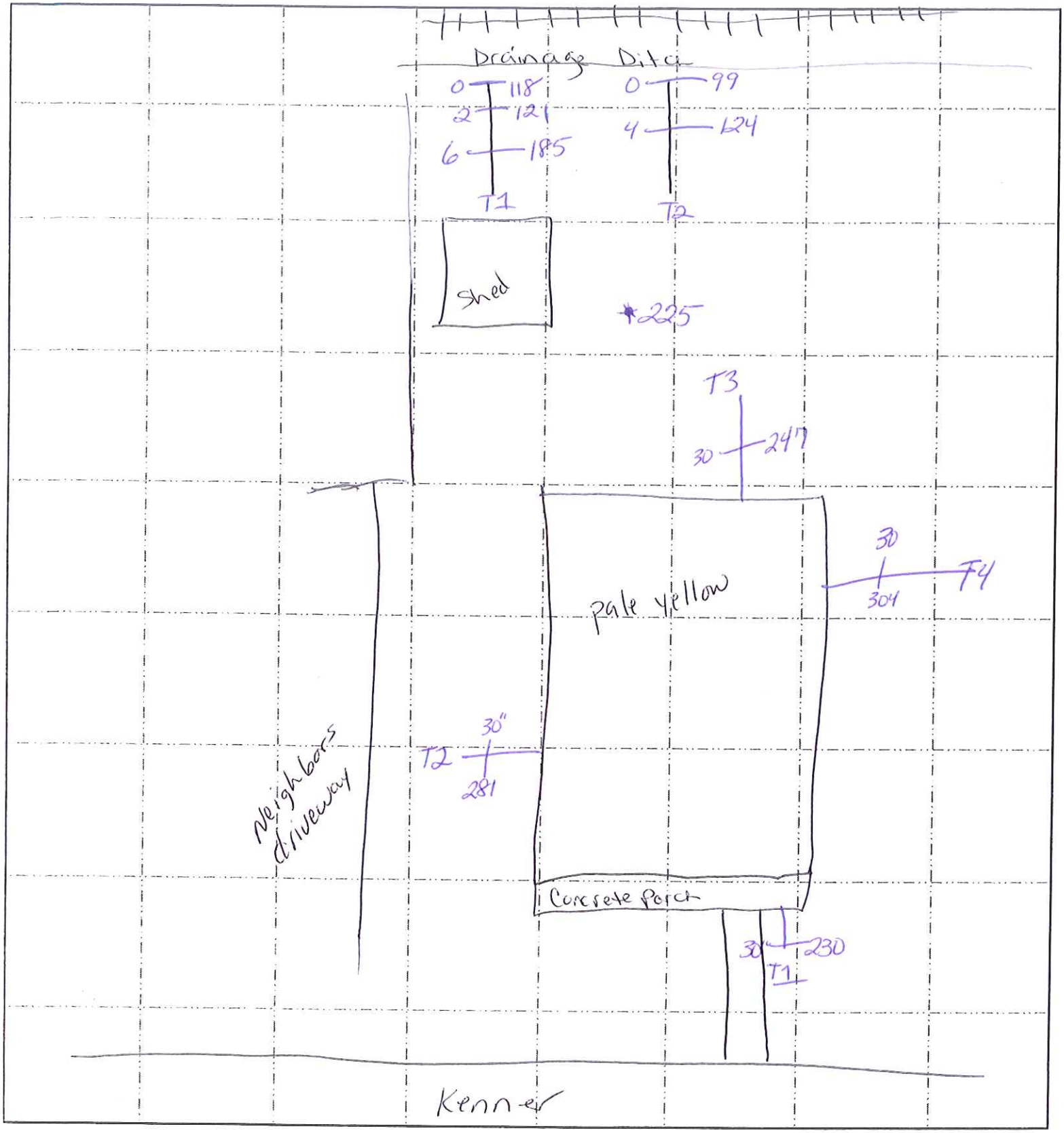
dust/loud noise always/water bad

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 121 STREET: 1217 Kenner St.

N



XRF SerNum(s)_____ Date Screened/Sampled 4-11-12

Team Member(s):_____

Sketch by Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE

RESIDENTIAL YARD FIELD SHEET

Location ID #: 121

Owner Contact Information:

Owner: Short Mark & Mary

Physical Address of Property Sampled: 1217 Kenner St.

Phone 1: 636-933-1915 Phone 2: 314-852-3346

Dog Issues? no **Year Built:** 1942

Occupant Contact Info (if not owner-occupied):

Name(s): Wally Biehle

Number of Residents: 1 **Number of Children:** 0

Physical Description of House/Property:

yellow sided house with porch

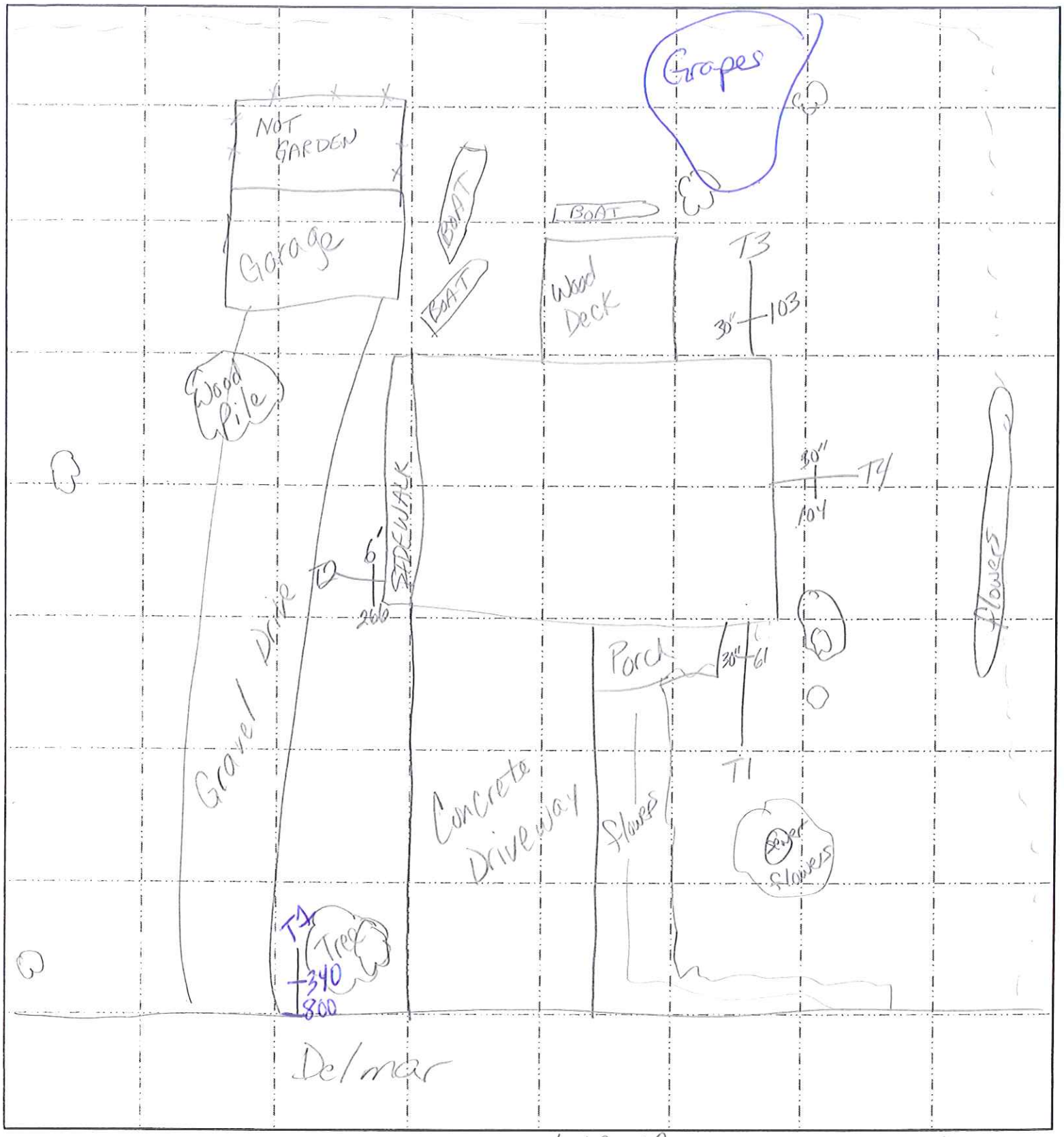
Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET
LOCATION ID: 135 STREET: 824 Delmar Ave

N



XRF SerNum(s)_____ Date Screened/Sampled 4-12-12

Team Member(s):_____

Sketched by Shelly

Missouri Department of Natural Resources

SHAPIRO BROTHERS SITE
RESIDENTIAL YARD FIELD SHEET

Location ID #: 135

Owner Contact Information:

Owner: Kline Edward J Jr.

Physical Address of Property Sampled: 824 Delmar Ave

Phone 1: 636-933-4248 Phone 2: 636-208-5115

Dog Issues? no **Year Built:** 0

Occupant Contact Info (if not owner-occupied):

Name(s): _

Number of Residents: 3 **Number of Children:** 0

Physical Description of House/Property:

Brick-camper in driveway

Comments:

Permission to Sample Granted Verbally By: **On (date):**

Missouri Department of Natural Resources

Team No. 1

COPY

SOIL SAMPLE LOG
Shapiro Brothers Site, Festus, MO

65

Loc. ID	Sample ID (SU/DU#)	Date Collected	Time Collected	Collector's Name	Comments
300	DU1	4-9-12	1025	MS	BKgd West City Park
139	SU3	" "	1:05	VW	Drip zone
139	SU2	" "	1:00	MS	
139	SU1	" "	12:45	MS	
174	SU1	"	1500	MS	
174	SU2	"	1520	MS	
174	SU3	"	1515	MS	drip zone
103	SU1	"	1625	"	Rep1.1
103	SU1	"	1638	"	Rep1.2
103	SU1	"	1645	"	Rep1.3
103	SU2	"	1630	"	Rep1.1
103	SU2	"	1655	"	Rep1.2
103	SU2	"	1645	"	Rep1 3
103	SU3	"	1635	"	Drip Zone
103	Y1	"	1655	"	Rep1
103	Y1	"	↓	"	Rep2
103	Y1	"	↓	"	Rep3
103	Y2	"	1700	"	Rep1
103	Y2	"	↓	"	Rep2
103	Y2	"	↓	"	Rep3
301	DU1	"	1730	"	Subset Park Bkgd
302	DU1	"	1802	"	Billy Porter Park Bkgd
110	SU1	4-10-12	0840	"	
110	SU2	4-10-12	0837	"	
115	SU1 rep1	4-10-12	~~1053~~ 0953	"	Rep 1
115	SU1 rep2	4-10-12	0955	"	Rep 2
115	SU1 Rep3	4-10-12	0955	"	Rep 3
115	SU2 Rep1	"	1020	"	Rep1
115	SU2 Rep2	"	1020	"	Rep2
115	SU2 Rep3	"	1020	"	Rep 3
117	SU2	"	0950	"	
117	SU1	"	0945	"	

15

32

Team No.____

	Loc. ID	Sample ID (SU/DU#)	Date Collected	Time Collected	Collector's Name	Comments
33	105	1	4/10/12	11:10	Michal S	
34	105	2	4/10	11:20	Michal S.	
35	105	3	4/10	11:20	Val W.	
36	116	SU 1 rep1	4/10	1215	MS	
37	116	SU 1 rep2	4-10	1200	MS	
38	116	SU 1 rep3	4-10	1210	MS	
39	116	Y1 rep1	"	124	"	
40	116	Y1-Rep2	"	1220	"	
41	116	Y1-Rep3	"	1225	"	
42	116	Y2 rep1	"	—	"	
43	116	Y2 rep2	"	—	"	
44	116	Y2 rep3	"	—	"	
45	116	SU2	"	1220	"	
46	116	SU2	"	1220	"	
47	116	SU2	"	1220	"	
48	116	Y3 rep1	"	—	"	
49	116	Y3 rep2	"	—	"	
50	116	Y3 rep3	"	—	"	
51	106	SU1	"	1240	"	
52	106	SU2	"	1243	"	
53	127	SU1	"	1420	SEVW	
54	127	SU2	"	1408	SC	
55	146	SU1 rep1	"	1455	MS	
56	146	SU1 rep2	"	1455	"	
57	146	SU1 rep3	"	1455	"	
58	146	SU2 rep1	"	1520	"	
59	146	SU2 rep2	"	1520	"	
60	146	SU2 rep3	"	1520	"	
61	146	Y1 rep1	"	—	"	
62	146	Y1 rep2	"	—	"	
63	146	Y1 rep3	"	—	"	
64	146	Y2 rep1	"	—	"	
65	146	Y2 rep2	"	—	"	
	146	Y2 rep3		—	Release	Accept 4-13-12

Date

Missouri Department of Natural Resources

Team No.____

COPY

SOIL SAMPLE LOG
Shapiro Brothers Site, Festus, MO

Loc. ID	Sample ID (SU/DU#)	Date Collected	Time Collected	Collector's Name	Comments
143	SU1	4-10	1532	PE	
143	SU2	"	1534	PE	
143	SU3	"	1535	PE	
133	SU1	"	1603	MS	
133	SU2	"	1609	MS	
133	Y1	"	—	MS	
133	Y2	"	—	MS	
133	Y3	"	—	MS	
155	SU1	"	1615	MS	
155	SU2	"	1622	VW	
154	SU1 rep1	"	1630		
154	SU1 rep2	"	1630		
154	SU1 rep3		1630		
154	SU2 rep1		1633		
154	SU2 rep2		1633		
154	SU2 rep3		1633		
154	Y1 rep1		—		
154	Y1 rep2		—		
154	Y1 rep3		—		
154	Y2 rep1		—		
154	Y2 rep2		—		
154	Y2 rep3		—		
154	Y3 rep1				
154	Y3 rep2				
154	Y3 rep3				
148	SU1	"	1703	KH	
148	SU2	"	1710	VW	
129	SU1	4-11-12	0815	VW	
129	SU2		0815	MS	
✓ ~~129~~	~~SU3~~				
135	SU-1	4-11-12	0827	KH/SC	
135	SU-2	4/11/12	0840	KH/SC	

18

Team No.____

	Loc. ID	Sample ID (SU/DU#)	Date Collected	Time Collected	Collector's Name	Comments
33	163	SU-1 rep1	4-11-12	845	KH	
34	163	SU-2 rep1	4-11-12	851	SC	
35	163	SU1 rep2	"	845	KH	
36	163	SU1 rep3	"	845	KH	
37	163	SU2 rep2	"	851	SC	
38	163	SU2 rep3	"	851	SC	
39	~~163~~	~~SU2 rep3~~	~~"~~	~~851~~	~~SC~~	Duplicate entry
40	215	SU1	4-11-12	1021	KH	
41	215	SU2	"	1028	KH	
42	~~119~~	~~SU1~~	~~"~~			
43	~~119~~	~~SU2~~	~~"~~			
44	120	SU1 rep1	"	1104		
45	120	SU1 rep2	"	1104		
46	120	SU1 rep3	"	1104		
47	120	SU2 rep1	"	1100		
48	120	SU2 Rep2	"	1100		
49	120	SU2 Rep3	"	1100		
50	119	SU1	"	1043		
51	119	SU2	"	1047		
52	108	SU2	"	1145		No SU1
53	121	SU2	"	1204	VW	No SU1
54	123	SU2	4-11-12	1228	KH	No SU1
55	109	SU2	4-11-12	1345	SC	No SU1
56	111	SU2	"	1350	VW	No SU1
57	216	SU2	"	1359	MS	No SU1
58	124	SU4	"	1435	KH	Rep 1 playarea
59	124	SU4	"	1435	KH	Rep 2
60	124	SU4	"	1435	KH	Rep 3
61		Y1	"	1436	PE	Rep1
62		Y1	"	1436	PE	Rep 2
63		Y1	"	1436	PE	Rep 3
64		P1	"	1442	MS	Rep 1
65		P1	"	1442	MS	Rep 2
		P1	"	1442	MS	Rep 3

Release Accept Date 4-13-12

Missouri Department of Natural Resources

Team No.____

COPY

SOIL SAMPLE LOG
Shapiro Brothers Site, Festus, MO

Loc. ID	Sample ID (SU/DU#)	Date Collected	Time Collected	Collector's Name	Comments
124	Y2	4-11-12	1445	JT	Rep 1
124	Y2	"	1445	JT	Rep 2
124	Y2	"	1445	JT	Rep 3
125	SU1 rep1	"	1530	MS	
125	SU1 rep.2	"	1530	MS	
125	SU1 rep.3	"	1530	MS	
125	Y1 rep.1	"	—	MS	
125	Y1 rep.2	"	—	MS	
125	Y1 rep.3	"	—	MS	
125	SU2 rep.1	"	1530		
125	SU2 rep.2	"	1530		
125	SU2 rep.3	"	1530		
125	Y2 rep.1	"	1550	MB	
125	Y2 rep2	"	1550	MB	
125	Y2 rep.3	"	1550	MB	
125	Y3 rep1	"	1600	JWT	
125	Y3 rep.2	"	1600	JWT	
125	Y3 rep.3	"	1600	JWT	
217	SU1	"			
217	SU2	"			
~~217~~					
176	SU 4	"	1605	MS	
176	SU2	"	1620	VW	
222	SU2	4-12-12	0905	VW	
	Street sweepings	4-12-12	0930	MS	Central, Ridge + Woodlawn
221	SU2 Rep1	"	0907	KH	
221	SU2 Rep2	"	0907	KH	
221	SU2 Rep3	"	0907	KH	
224	SU2	"	1010	VW	
161	SU2	4-12-12	1048	SC	
175	SU-1	4-12-12	1100	SC	
175	SU-2	"	1105	SC	

17

Team No.____

	Loc. ID	Sample ID (SU/DU#)	Date Collected	Time Collected	Collector's Name	Comments
33	164	SU-2	4.12.12	11:00	MS	
34	157	SU-2	4/12/12	11:30	SMC	
35	158	SU-2	4/12/12	11:50	SMC	
36	180	SU-2	4/12/12	12:00	VW	
37	159	SU 1	4-12-12	1355	VW	
38	159	SU 2	"	1355	KH	
39	160	SU-1	"	1400	MS	Rep 1
40	160	SU-1	"	1400	MS	Rep 2
41	160	SU-1	"	1400	MS	Rep 3
42	160	SU-2	"	1415	SC	Rep 1
43	160	SU-2	"	1415	SC	Rep 2
44	160	SU-2	"	1415	SC	Rep 3
45	160	Y1 - Rep 1	"	1410	MS	
46	160	Y1 Rep 2	"	1410	MS	
47	160	Y1 Rep 3	"	1410	MS	
48	160	Y2 Rep 1	"	1420	MS	
49	160	Y2 Rep 2	"	1420	MS	
50	160	Y2 Rep 3	"	1420	MS	
51	179	SU2	"	1445	VW	
52	218	SU2	"	1530	VW	
53						
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65						

Release Accept Date 4-13-12

Combined Site Inspection/Removal Site Evaluation Sampling Report

Shapiro Brothers Salvage Yard
Festus, Jefferson County, MO
CAS Order Numbers: 120413006, 120608008, 120112002

DRAFT

Prepared For:

Missouri Department of Natural Resources
Division of Environmental Quality
Hazardous Waste Program

Prepared By:

Missouri Department of Natural Resources
Division of Environmental Quality
Environmental Services Program

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Appendix A – Site Map/Sample Locations Map

Appendix B – Analytical Results

Appendix C –Chain of Custody

Appendix D – Field Notes

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1.0 Introduction

As authorized under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986, the Missouri Department of Natural Resources (Department), Hazardous Waste Program (HWP), Site Assessment Unit (SAU), with assistance from the Field Services Unit of the Environmental Services Program (ESP), conducted an Integrated Site Inspection/Removal Site Evaluation (SI/RSE) sampling event at the Shapiro Brothers Salvage Yard in Festus, MO.

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The objectives of this investigation included determining whether the site warrants a removal action and to gather data necessary for the preparation of a preliminary site score under the Hazard Ranking System (HRS). The scope of the investigation included collecting and analyzing surface soil, surface water, sediment, surface dust wipe, and street sweepings samples.

The sampling event was conducted in accordance with the Integrated Site Inspection/Removal Site Evaluation Sampling and Analysis Plan (MDNR 2012).

2.0 Site Information

2.1 Location

The site is located at the intersection of 12th Street and Vine in east-central Festus, MO. It is a rectangular 7-acre area, oriented primarily north-south, along the boundary that separates Festus and Crystal City, MO.

2.2 Description

Shapiro Brothers, Inc. has been used as scrap metal processing and recycling facility since the 1940s. They also offer demolition services, dismantle out of service rail cars, and offer transportation services to their clients for scrap metal materials.

2.3 History/Contaminants of Concern

The primary contaminant of concern is lead based on analysis of soil samples collected at the facility.

3.0 Field Activities

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The sampling event included collection of surface soils at residential yards for which the department gained access. Forty target residential properties were sampled and four residential background properties were sampled. Residential streets that were sampled included Vine Street, Delmar Avenue, N. 9th Street, N. 10th Street, N. 6th Street, Ridge Avenue, Woodland Avenue and Forrest Street in Festus, MO and Kenner Street and 12th Street in Crystal City, MO. Warne Street was originally identified as a background location. However, once on site, one resident came out and said he had seen Shapiro Brothers trucks coming and going down this road, so, Warne Street was abandoned as a background residential location. Two residential properties on this street had been sampled up to that point (Refer to Sampling Locations Map, Appendix A). Background soils samples were also collected from three city parks: West City Park, Billy Pointer Park, and Sunset Park, but these were used for in situ XRF analysis only. (Refer to Section 3.1.1). Surface water and sediment samples were collected near the facility and downstream of the facility to near where the drainage stream enters Plattin Creek. Surface wipe samples were collected on various structural surfaces at some of the background and target residences based on field observations. A 30-increment composite sample was collected from street sweeper debris collected by the City of Festus in areas outside the influence of the facility.

This sample is to be compared with previous samples collected from the Shapiro Brothers street sweepers. All sample locations and descriptions and field notes were recorded on field sheet forms and in a bound field log book. Personnel determined global positioning system (GPS) coordinates of all surface water and sediment sampling locations. GPS locations were not collected at yards since locational data for each parcel is already available from the county tax assessor. Site sketches and in-situ XRF readings at each residence were recorded on the field sheets, and all samples collected were recorded on chain of custody forms. Photographs were taken to document various aspects of the sampling event.

3.1 Sample Collection

DRAFT

Except as otherwise noted, all aspects of sampling were performed using standard operating procedures (SOPs) established within the ESP, Environmental Emergency Response/Field Services Section (EER/FSS) for the collection, preservation, and transport of various media sampled. Modifications to the sampling methods are described below and were made in the field based upon conditions encountered. Any modifications to the methods were noted on the field sheets/log book.

3.1.1 In situ XRF Analysis

The XRF analyzer was calibrated and standardized as per the manufacturer's instruction. Known reference standards containing certified concentrations of lead at various levels were analyzed prior to initiating field work. Results were documented on an XRF data field sheet for each residence. The serial number of the analyzer(s) used at each residence was noted on the field sheet. Prior to XRF analysis, the Location ID, SU, transect, distance & analyst was entered into the XRF analyzer.

The average lot size of the residences selected for sampling is approximately 10,500 ft^2 (~ ¼ acre). An area of this approximate size was established as background DUs in Sunset, West City, and Billy Porter Memorial Parks. Surface soil ICS samples were collected from these areas as described in section 3.1.2 below. The bags of soil from the city park background DUs were manually mixed to homogenize the soil as well as possible, and then XRF analysis was conducted on the soil through each bag 5 times with mixing in between. The average of the 5 readings provided an estimate of the background lead concentration in each background park DU. The lead result for each background DU was averaged, and that value was used as reference for in situ measurements collected at target residences as described below. The collected bags of background soil were returned to the lab for processing and analysis as described in section 3.3.

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Transects were established at each residential property. Each property had from one to four transects depending on its size and orientation. Transects were placed along the roadway for those residences that were along the haul roads or faced Shapiro property. Transects were placed at the rear of the property of those backing up to the Shapiro property. Starting from the edge of the property each distance interval was two feet. At each distance interval, along the transect, the surface vegetation was removed. The soil was flattened out, large debris (rocks sticks) removed, and a 30 second in-situ analysis was performed. The Location ID and SU# was entered into the XRF prior to each analysis. The results were recorded on the field sheet. Two to four additional in situ analyses were conducted at the same distance interval perpendicular to the transect at 2’ spacings. The results were recorded on the field sheet, and the average for each distance interval was calculated.

When a distinct drop was observed in the average lead concentration along a transect, or when observed concentrations were similar to background levels, no further in situ readings were

collected for that transect, and a flag was placed to mark the boundary of the SU for that transect. In situ XRF analyses was conducted along transects set up perpendicular to the road to aid in determining attribution of lead and to help establish the width of SU1. SU2 was comprised of the rest of the property outside of the drip zone. For the drip zone (SU3), the process was repeated (starting at 30 inches from the house), with one transect extending out from each side of the residence to form a polygon around the house considered the "drip zone" of influence from lead-based paint. If the property had a garden or children's play area, in situ analysis was conducted to determine the need for it to be a separate sampling unit. At 18 properties, no SU1 was established for sampling. At these residences, no elevated levels of lead were measured in the transects: therefore the entire yard (minus the drip zone) was sampled as one sampling unit.

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In situ XRF precision was evaluated once per day per XRF analyzer by collecting seven replicate XRF readings at a single location without moving the analyzer.

Trends were observed on the in situ XRF analysis after several residences had been completed along Delmar Avenue. In situ XRF analysis was discontinued and the width of SU1 was set for the remaining properties on Delmar based on previous observations. Typically SU1 was set at two feet.

3.1.2 Surface Soil Sampling

Surface soil ICS samples were collected as follows. An EVS™ or EnviroStat™ stainless steel incremental sampling tool was used to collect approximate equal-mass increments of soil at equal spacing across each SU. Each tool was adjusted to collect a core from 0-2". The sampling core was advanced into the soil and ejected into a 2-gallon size heavy duty sealable plastic bag. This process was repeated at each increment collection location, and all increments were combined together into one bag. Bags were labeled with the Location ID, SU#, date, time, & sampler's initials. 16 increments were collected from SU1, and 30 to 40 increments were

collected from SU2, depending on the size of the property. After the completion of several houses along Vine Street, a trend was observed in the extent of drip zone influences, in-situ XRF analyses was reduced and the drip zone SU size was inferred from previous observations. Five ICS samples were collected from SU3, 16 increments were collected in each. Two children's play areas (SU4) were sampled for further analysis. 16 increments were also collected in this SU.

3.1.3 Lead Paint Analysis

Accessible painted exterior surfaces at two residences (Location IDs 216 and 176) were analyzed for the presence of lead-based paint using an XRF analyzer. Results were recorded on the field sheet. Data from these analyses was used as additional lines of evidence that lead detected in a drip zone is due at least in part to lead paint.

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3.1.4 Surface Wipe Samples

Wipe samples were collected at some residences based on visual observation, proximity to the facility, and weather conditions. Wipe samples were collected using Department of Health and Senior Services (DHSS) provided lead wipes and sample containers. In all instances but one, a large flat surface was identified as a surface to collect a wipe sample (ex. vinyl siding, patio tables, patio chairs, glass surfaces, etc..). A 1 square foot nylon template was used to conduct the wipe sampling. One window sill had a wipe sample collected. The surface area was measured and converted to square feet. No painted surfaces were sampled due to possible influence of lead based paint. The procedures used for wipe sampling are outlined in the DHSS Lead Poison Prevention Manual. Surface wipes were collected on comparable surfaces at both background residences and target residences. One Environmental Lead Analysis Form was completed for each sample collected. Three field blanks (one per day of wipe sampling) were collected for the sampling event. (Refer to DHSS Analysis Forms, Appendix D). The wipe samples were

relinquished to a sample custodian at the state's health laboratory (101 North Chestnut) for analysis on Monday April 16, 2012.

3.1.5 Street Sweepings Sample

The City of Festus provided the Department with access to street sweeper debris collected in roadways located away from the Shapiro facility. A 30-increment composite sample was collected, using a new, clean stainless steel spoon, from equally spaced locations across the collected street sweepings and placed into a resealable bag. This sample is considered a background sample, as a street sweeping sample was collected from a Shapiro Brothers sweeper, used around their facility and along their hauls roads, during a previous sampling event.

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3.1.6 Surface Water and Sediment Sampling

Field instruments that were used during water sample collection, included pH, specific conductivity, temperature, oxidation/reduction potential (ORP) dissolved oxygen (DO) and turbidity. The meters were calibrated on-site per manufacturers' specifications.

Surface water grab samples were collected by immersing the sample containers directly into the drainage leading to Plattin Creek in areas where it is accessible. Samples were collected from the north side of the 12th Street bridge, the south side of the 6th Street bridge, and from the south side of the Bailey Road bridge. No upstream location could be identified. The stream is fed from stormwater runoff that drains from the shopping center (underground) north of the Shapiro facility. A background surface water and sediment sample was instead collected from a stream that flowed along the southern boundary of Sunset Park.

Sediment grab samples were collected using clean stainless steel spoons to retrieve sediment from the 0- to 2-inch depth from the bottom of the drainage to Plattin Creek. At each sediment location, 15 increments of approximately 30 grams each were collected along a transect

perpendicular to the drainage. The increments of sediment were transferred to clean aluminum foil pans and the excess water was decanted. The sediment was homogenized and placed into a resealable bag. Surface water samples were collected prior to collecting sediment samples. Sediment samples were collected at the same general locations as surface waters.

3.2 Sampling Order

Sampling began at target residences closest to and worked away from the Shapiro Brothers facility. Regardless of this order; clean, new, dedicated, disposable, or field decontaminated equipment was used for sampling

3.3 Sample Processing and Analysis

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Soil samples were sent to the Missouri University of Science and Technology (MST) and air dried. The air dried samples were returned to their original bags, placed inside an additional bag, and then struck with a mallet to disaggregate clumps of soil. The soil sample was passed through a 0.25mm sieve to obtain the target particle size. The soil passing through the sieve was placed inside a thin-walled resealable plastic baggie. The sediment samples were processed, at the ESP lab, in the same fashion as described above. XRF analysis was conducted on the dried/sieved soil and sediment samples following SOP.

3.4 Sample Quantity

The number of samples submitted for laboratory analysis is provided in the following table. Note that samples receiving XRF analysis only, are not included.

Matrix	Analytes	Number of Samples
Soil	Lead, Cadmium, Arsenic	14
Wipes	Lead	15

Surface Water	Lead, Cadmium, Arsenic, Zinc, Copper, Hardness	4
Sediment	Lead, Cadmium, Arsenic, Zinc, Copper	4
Matrix	**Analytes**	**Number of Samples**
Soil	Polychlorinated Biphenyls (PCBs)	1
Soil	Polybrominated Diphenyl Ethers (PBDEs)	1
Soil	Polycyclic Aromatic Hydrocarbons (PAHs), Organochlorine Pesticides	1

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Note that samples were initially collected in large resealable plastic bags for transport to ESP. Once samples have been air dried, disaggregated, sieved, and analyzed by XRF, they were submitted for laboratory analysis. All samples were collected in certified-clean containers and preserved in the field as appropriate.

3.5 Chain-of-Custody

The ICS soil samples were stored in the plastic bags in which they were collected. Each bag was labeled with a unique DU identifier, date, collector initials, and depth using permanent marker. The samples were recorded on a separate COC form. The samples were turned over to MST University for processing and were returned for XRF analysis. The sediment samples remained in ESP custody for processing and XRF analysis. Those samples identified for laboratory

analysis were placed into appropriate sample containers and entered onto an ESP COC form and relinquished to a sample custodian at the state's environmental laboratory for analysis.

4.0 Quality Control

4.1 Field Decontamination

Clean disposable latex gloves were worn by sampling personnel and clean or field decontaminated equipment was utilized for each separate DU to minimize the possibility of cross-contamination. Reuseable soil sampling equipment was cleaned between DUs as follows:

- Brushing with stiff-bristle nylon brush to remove visible soil debris;
- Washing with a solution of Simple Green cleaner
- Rinsing tool with DI water;
- Wiping dry with clean paper towels

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4.2 Quality Assurance/Quality Control (QA/QC) Samples

The following samples were collected as part of the quality control/quality assurance procedures for the investigation.

4.2.1 Equipment Rinsate Blank

Four equipment rinsate blanks were collected after decontaminating the soil coring tool between DUs, once per day of soil sampling. Following decontamination of the ICS tool, deionized water was rinsed over the core cylinder and into a sample container which traveled with the other samples back to the laboratory for analysis.

4.2.2 Replicate Field ICS

Replicate ICS were collected to measure precision of the overall soil sampling and analysis process, and to provide data for calculating upper confidence limits. At a rate of approximately 20% of the total SUs, a total of three ICS were collected in an identical manner, except the

increment locations were offset as much as possible from each within the SU. The replicate samples were labeled with the SU name and "replicate 1", "replicate 2", and "replicate 3". SUs were chosen for replicate sampling based on the proximity of the yard to the facility, in situ XRF results, and other field observations. Replicate ICS were collected at eleven properties. An effort was made to conduct replicate sampling at residences both near the facility and further away along haul routes. Replicate sampling was conducted at one of the background residences.

4.2.3 XRF Precision Samples

The precision of bagged sample XRF analyses was evaluated by conducting multiple analyses of selected samples at a frequency of 5% for bagged sample analysis and once per day per analyzer for in situ analysis. For bagged samples, the precision samples were selected based on lead concentrations. Samples were chosen to reflect the full range of concentrations observed, however, special emphasis was placed on selecting samples near the screening levels if possible. The selected samples were analyzed seven separate times without moving the bagged sample (without moving the analyzer for in situ analysis) between each analysis. The relative standard deviation among the multiple analyses was assessed as an indication of instrument precision.

4.2.4 Laboratory Subsampling Replicates

Laboratory subsample replicates were requested on selected ICS samples submitted to the laboratory. However, due to an oversight, the laboratory did not conduct the subsampling replicates.

5.0 Investigation Derived Wastes (IDW) Plan

Efforts were made to minimize IDW generation. Disposable PPE and disposable sampling equipment was handled as solid waste, containerized, and properly disposed. Wash and rinse waters generated during equipment decontamination were discharged to the ground on-site.

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6.0 Site Safety

A safety briefing was held on-site prior to initiating field activities and field personnel were required to read and sign the site-specific health and safety plan.

7.0 Reporting

Please refer to Appendix B for analytical results of samples collected.

DRAFT

SIGNATURES

Sean Counihan
Environmental Specialist
Field Services Unit
Environmental Services Program

Prepared by: _____

DRAFT

Eric Sappington
Chief
Field Services Unit
Environmental Services Program

Approved by: _____

BA:smc

C: Michael Stroh, HWP

APPENDIX A

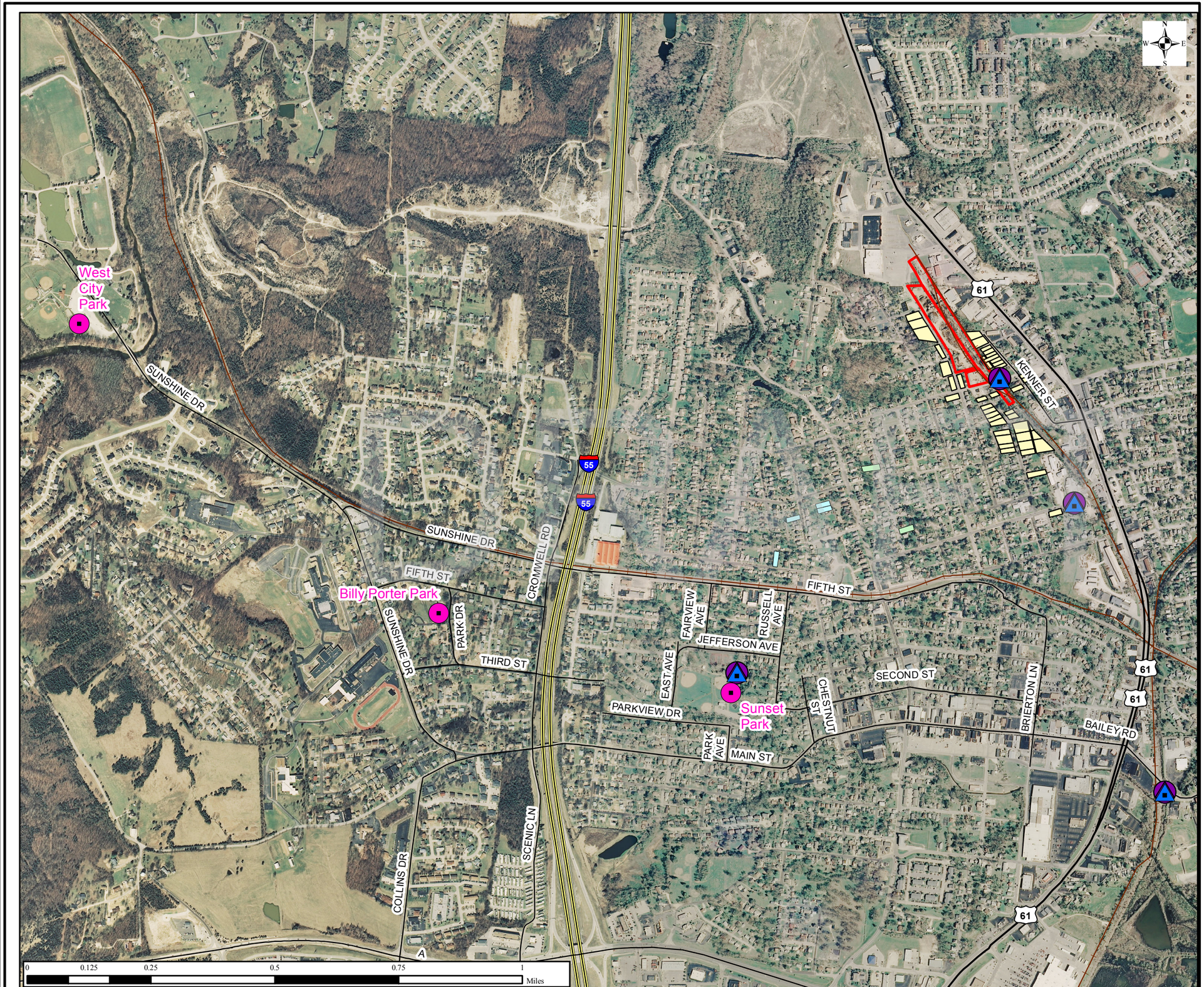
Site Map/Sample Locations Map

Shapiro Brothers Salvage Yard Site

Festus, Jefferson County, MO

DRAFT

Sample Location Map
Surface Water, Sediment and Park Background Soil Samples
Shapiro Brothers Salvage Site
9th & Delmar
Festus, MO
Jefferson County



Legend

- Park Soil Background
- Surface Water Sample
- Sediment Sample
- Shapiro Brothers Salvage Yard
- Sampled Target Residence
- Sampled Background Residence
- Sampled, Not Analyzed
- Railroad

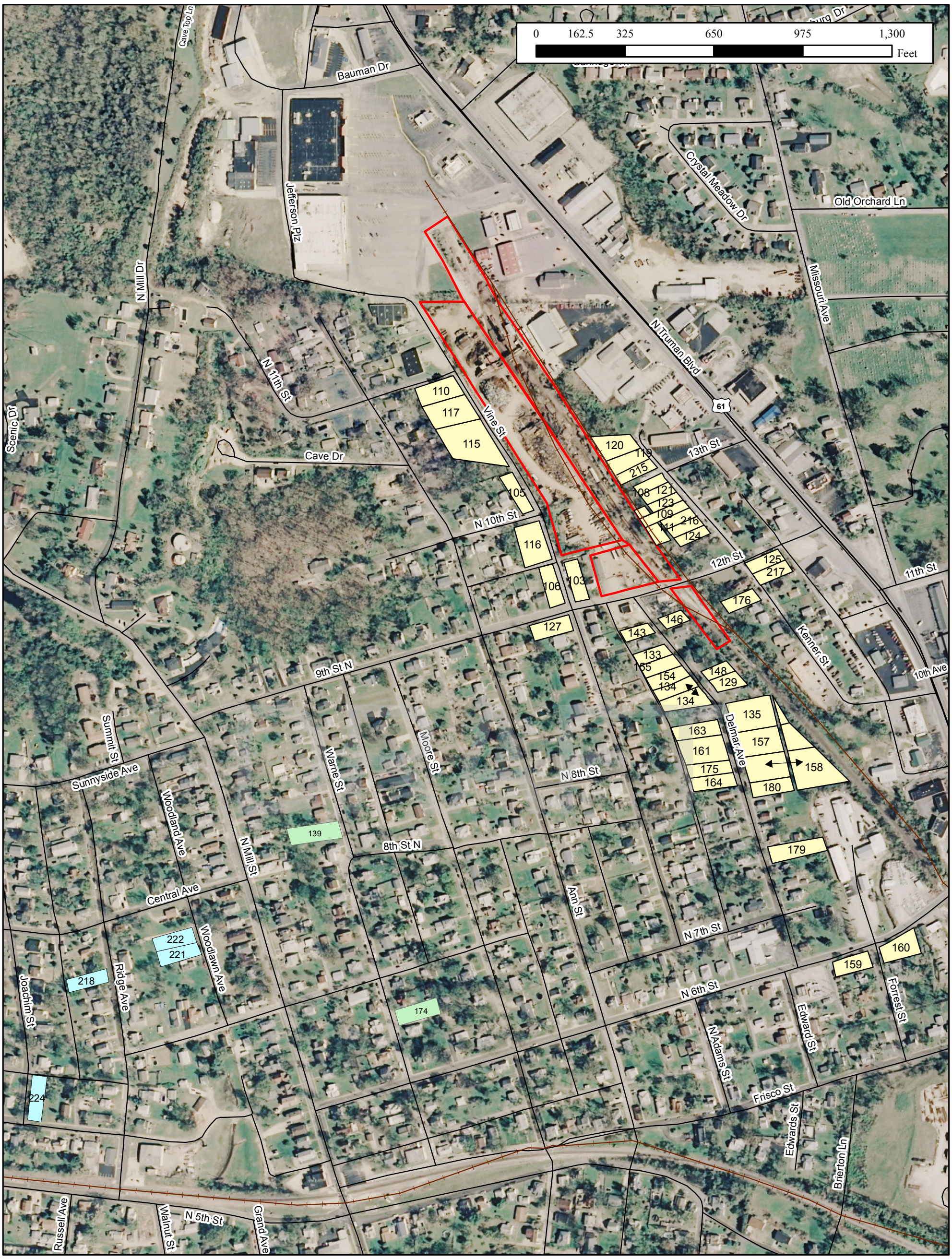
Created on: April 24, 2012 by Shelly Jackson
This map is located at M/Superfund/Shapiro Brothers/Sample_Location_Map_Background.mxd

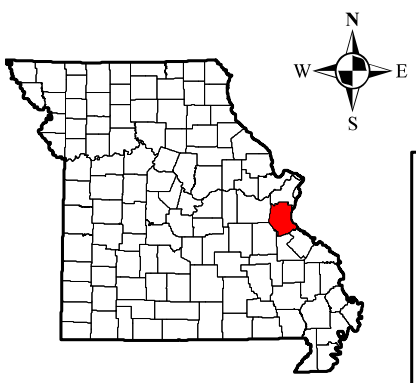
Base Map: 2007 Missouri State Leaf-Off Imagery Program.
Flight Date: 2007

Additional Layers: Missouri Department of Transportation, U.S. Census Bureau.

Although data sets used to create this map have been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.

Missouri Department of Natural Resources
Division of Environmental Quality
Hazardous Waste Program





Sample Location Map Residential Yards
Shapiro Brothers Salvage Site
9th & Delmar
Festus, Jefferson County, MO

Legend

- Shapiro Brothers Salvage Yard
- Road
- Railroad
- Sampled Target Residence
- Sampled Background Residence
- Sampled, Not Analyzed

Created on: April 24, 2012 by Shelly Jackson
This map is located at M/Superfund/Shapiro Brothers/Sample_Location_Map_Residences.mxd

Base Map: 2007 Missouri State Leaf-Off Imagery Program.
Flight Date: 2007

Additional Layers: Missouri Department of Transportation, U.S. Census Bureau.

Although data sets used to create this map have been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.

Missouri Department of Natural Resources
Division of Environmental Quality
Hazardous Waste Program

APPENDIX B

Analytical Results

Shapiro Brothers Salvage Yard Site

Festus, Jefferson County, MO

DRAFT

Missouri Department of Natural Resources
Environmental Services Program

Order ID 120112002 **Program, Contact:** HWP Julieann Warren

Report Date: 03/15/2012 **LDPR/JobCode:** FEPA5 / NJ12SHAP

Sample: AB65031

Customer #: 1201152

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN **Affiliation:** ESP **Collect Date:** 1/11/2012 10:55:00AM
Entry Point:
Sample Comment: Composite, Sample #1201152, collected from sediment/soil stored in Super Sacks from truck wash station, TW 1-4 and new sack being filled.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<595	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<595	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<595	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<595	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1190	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<5950	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2380	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<595	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1190	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2380	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<595	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<595	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<595	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<595	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<595	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<595	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1190	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1190	09, ND	µg/kg	14,507	8270C

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Sample: AB65031

Customer #: 1201152

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 10:55:00AM
Entry Point:
Sample Comment: Composite, Sample #1201152, collected from sediment/soil stored in Super Sacks from truck wash station, TW 1-4 and new sack being filled.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	4-Nitroaniline	<595	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1190	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<595	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1190	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2380	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<595	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<595	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	<1190	09, ND	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1190	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<595	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2380	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<595	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<595	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<595	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Fluorene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1190	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<595	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<595	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<595	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<595	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65031

Customer #: 1201152

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 10:55:00AM
Entry Point:
Sample Comment: Composite, Sample #1201152, collected from sediment/soil stored in Super Sacks from truck wash station, TW 1-4 and new sack being filled.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	n-Nitrosodiphenylamine	<5950	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<595	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<595	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	<595	09, ND	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<60	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<600	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<119	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<119	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<119	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	686		µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<119	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<119	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<119	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	16.1		%	14,579	Infrared Drying

DRAFT

Sample: AB65032

Customer #: 1201154

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:30:00AM
Entry Point:
Sample Comment: Composite, Sample #1201154, collected from sediment/soil stored in Super Sacks from truck wash station, Tw 5-8

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<620	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<620	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<620	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<620	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1240	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<6200	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2480	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<620	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1240	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2480	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<620	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<620	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<620	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<620	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<620	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<620	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1240	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1240	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<620	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1240	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<620	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<620	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65032

Customer #: 1201154

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:30:00AM
Entry Point:
Sample Comment: Composite, Sample #1201154, collected from sediment/soil stored in Super Sacks from truck wash station, Tw 5-8

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Benzo(k)fluoranthene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1240	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2480	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<620	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<620	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	<1240	09, ND	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1240	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<620	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2480	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<620	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<620	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<620	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Fluorene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1240	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<620	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<620	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<620	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<620	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<6200	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<620	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<620	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	<620	09, ND	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<62	ND	µg/kg	14,590	8081A

DRAFT

Sample: AB65032

Customer #: 1201154

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:30:00AM
Entry Point:
Sample Comment: Composite, Sample #1201154, collected from sediment/soil stored in Super Sacks from truck wash station, Tw 5-8

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	beta-BHC	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<62	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	2500		µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<124	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<124	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<124	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	<124	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<124	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<124	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<124	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	19.1		%	14,579	Infrared Drying

DRAFT

Sample: AB65033

Customer #: 1201156

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:00:00AM
Entry Point:
Sample Comment: Composite sample # 1201156, Collected from sediment/soil stored in Super Sacks from truck wash station, TW 9-12.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<565	09, ND	µg/kg	14,507	8270C

Sample: AB65033

Customer #: 1201156

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:00:00AM
Entry Point:
Sample Comment: Composite sample # 1201156, Collected from sediment/soil stored in Super Sacks from truck wash station, TW 9-12.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	2,4,5-Trichlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1130	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<5650	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2260	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1130	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2260	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<565	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1130	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1130	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1130	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<565	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1130	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2260	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<565	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65033

Customer #: 1201156

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite sample # 1201156, Collected from sediment/soil stored in Super Sacks from truck wash station, TW 9-12.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 11:00:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	bis(2-chloroisopropyl)ether	<565	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	1600	09, 05	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1130	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<565	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2260	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<565	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<565	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<565	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Fluorene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1130	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<565	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<565	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<565	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<5650	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	<565	09, ND	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<56.5	ND	µg/kg	14,590	8081A

DRAFT

Sample: AB65033

Customer #: 1201156

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:00:00AM
Entry Point:
Sample Comment: Composite sample # 1201156, Collected from sediment/soil stored in Super Sacks from truck wash station, TW 9-12.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	Endosulfan I	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<565	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	559	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<113	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	11.9		%	14,579	Infrared Drying

DRAFT

Sample: AB65034

Customer #: 1201158

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:35:00AM
Entry Point:
Sample Comment: Composite, Sample #1201158, collected from sediment/soil in Super Sacks from street sweepings, SS. A, B, C, D

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1140	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<570	09, ND	µg/kg	14,507	8270C

Sample: AB65034

Customer #: 1201158

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201158, collected from sediment/soil in Super Sacks from street sweepings, SS. A, B, C, D

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 11:35:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	2,4-Dinitrophenol	<5700	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2280	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1140	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2280	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<570	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1140	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1140	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1140	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<570	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	577	09, 05	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	592	09, 05	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1140	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2280	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<570	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<570	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	1940	09, 05	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1140	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	686	09, 05	µg/kg	14,507	8270C

DRAFT

120112002

Sample: AB65034

Customer #: 1201158

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:35:00AM
Entry Point:
Sample Comment: Composite, Sample #1201158, collected from sediment/soil in Super Sacks from street sweepings, SS. A, B, C, D

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Dibenzo(a,h)anthracene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<570	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2280	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<570	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	994	09, 05	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<570	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	1620	09	µg/kg	14,507	8270C
BNAs	Fluorene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1140	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<570	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<570	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<570	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<5700	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	688	09, 05	µg/kg	14,507	8270C
BNAs	Phenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	1240	09	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<57	ND	µg/kg	14,590	8081A

DRAFT

Sample: AB65034

Customer #: 1201158

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:35:00AM
Entry Point:
Sample Comment: Composite, Sample #1201158, collected from sediment/soil in Super Sacks from street sweepings, SS. A, B, C, D

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	Endrin aldehyde	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<570	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	371	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<114	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	12.5		%	14,579	Infrared Drying

DRAFT

Sample: AB65035

Customer #: 1201160

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:55:00AM
Entry Point:
Sample Comment: Composite, Sample #1201160, Surface soil collected from north end of the old railroad spur on east side of property.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<725	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<725	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<725	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<725	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<725	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1450	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<725	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<725	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<7250	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2900	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<725	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1450	09, ND	µg/kg	14,507	8270C

Sample: AB65035

Customer #: 1201160

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:55:00AM
Entry Point:
Sample Comment: Composite, Sample #1201160, Surface soil collected from north end of the old railroad spur on east side of property.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	2-Chlorophenol	<725	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2900	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<725	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<725	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<725	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<725	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<725	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<725	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<725	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	753	09, 05	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<725	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1450	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1450	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<725	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1450	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<725	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1450	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2900	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<725	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<725	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	5930	09	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1450	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<725	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2900	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	24800	09	µg/kg	14,507	8270C

DRAFT

Sample: AB65035

Customer #: 1201160

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201160, Surface soil collected from north end of the old railroad spur on east side of property.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 11:55:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Di-n-butyl phthalate	<725	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<725	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	948	09, 05	µg/kg	14,507	8270C
BNAs	Fluorene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1450	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<725	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<725	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<725	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<725	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<7250	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<725	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<725	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	788	09, 05	µg/kg	14,507	8270C
BNAs	Pyrene	834	09, 05	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<72.5	ND	µg/kg	14,590	8081A

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120112002

Sample: AB65035

Customer #: 1201160

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 11:55:00AM
Entry Point:
Sample Comment: Composite, Sample #1201160, Surface soil collected from north end of the old railroad spur on east side of property.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	Methoxychlor	<72.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<725	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<145	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<145	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<145	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	<145	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<145	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<145	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<145	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	31.0		%	14,579	Infrared Drying

Sample: AB65036

Customer #: 1201162

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 12:10:00PM
Entry Point:
Sample Comment: Composite, Sample #1201162, Surface soil collected from eastern roadway across from maintenance building.

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1130	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<5650	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2260	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1130	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2260	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<565	09, ND	µg/kg	14,507	8270C

Sample: AB65036

Customer #: 1201162

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201162, Surface soil collected from eastern roadway across from maintenance building.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 12:10:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	2-Nitroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<565	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1130	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1130	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<565	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1130	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<565	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1130	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2260	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<565	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<565	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	<1130	09, ND	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1130	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<565	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2260	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<565	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<565	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<565	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Fluorene	<565	09, ND	µg/kg	14,507	8270C

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Sample: AB65036

Customer #: 1201162

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201162, Surface soil collected from eastern roadway across from maintenance building.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 12:10:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Hexachlorobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1130	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<565	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<565	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<565	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<565	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<5650	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<565	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<565	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	<565	09, ND	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<56.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<565	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<113	ND	µg/kg	14,502	8082

DRAFT

Sample: AB65036

Customer #: 1201162

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 12:10:00PM
Entry Point:
Sample Comment: Composite, Sample #1201162, Surface soil collected from eastern roadway across from maintenance building.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
PCBs	Aroclor 1232 (PCB-1232)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	232	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<113	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<113	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	11.8		%	14,579	Infrared Drying

Sample: AB65037

Customer #: 1201164

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 12:25:00PM
Entry Point:
Sample Comment: Composite, Sample #1201164, surface soil collected at the base of the first scrap pile on eastern edge, just north of the shear.

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<590	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<590	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<590	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<590	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<590	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1180	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<590	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<590	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<5900	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2360	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<590	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1180	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<590	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2360	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<590	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<590	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<590	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<590	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<590	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<590	09, ND	µg/kg	14,507	8270C

Sample: AB65037

Customer #: 1201164

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 12:25:00PM
Entry Point:
Sample Comment: Composite, Sample #1201164, surface soil collected at the base of the first scrap pile on eastern edge, just north of the shear.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	4-Bromophenyl phenyl ether	<590	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	13200	09	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<590	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1180	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1180	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<590	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1180	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<590	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1180	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2360	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<590	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<590	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	4630	09	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1180	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<590	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2360	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<590	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<590	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<590	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	740	09, 05	µg/kg	14,507	8270C
BNAs	Fluorene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1180	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<590	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65037

Customer #: 1201164

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201164, surface soil collected at the base of the first scrap pile on eastern edge, just north of the shear.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 12:25:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Indeno(1,2,3-cd)pyrene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<590	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<590	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<590	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<5900	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<590	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<590	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	661	09, 05	µg/kg	14,507	8270C
BNAs	Pyrene	653	09, 05	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<585	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<117	ND	µg/kg	14,502	8082

DRAFT

Sample: AB65037

Customer #: 1201164

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 12:25:00PM
Entry Point:
Sample Comment: Composite, Sample #1201164, surface soil collected at the base of the first scrap pile on eastern edge, just north of the shear.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
PCBs	Aroclor 1260 (PCB-1260)	<117	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	15.1		%	14,579	Infrared Drying

Sample: AB65038

Customer #: 1201166

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 12:33:00PM
Entry Point:
Sample Comment: Composite, Sample #1201166, surface soil collected from eastern roadway at T-junction between scrap pile 1 and scrap pile 2.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1140	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<5700	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2280	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1140	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2280	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<570	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1140	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65038

Customer #: 1201166

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201166, surface soil collected from eastern roadway at T-junction between scrap pile 1 and scrap pile 2.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 12:33:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	4-Methylphenol	<1140	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<570	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1140	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<570	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1140	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2280	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<570	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<570	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	1990	09, 05	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1140	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<570	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2280	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<570	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<570	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<570	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Fluorene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1140	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<570	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<570	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<570	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65038

Customer #: 1201166

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 12:33:00PM
Entry Point:
Sample Comment: Composite, Sample #1201166, surface soil collected from eastern roadway at T-junction between scrap pile 1 and scrap pile 2.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	n-Nitroso-di-n-propylamine	<570	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<5700	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<570	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<570	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	<570	09, ND	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<57	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<570	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<114	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<114	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	12.6		%	14,579	Infrared Drying

DRAFT

Sample: AB65039

Customer #: 1201168

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201167, Surface soil collected at the head of the eastern roadway, north of the shredder
Precision

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 12:54:00PM

UTM-Easting	Northing
728278.81E	4234821.48N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<555	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<555	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<555	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<555	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1110	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<5550	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2220	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<555	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1110	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2220	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<555	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<555	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<555	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<555	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<555	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<555	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1110	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1110	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<555	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1110	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<555	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<555	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65039

Customer #: 1201168

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201167, Surface soil collected at the head of the eastern roadway, north of the shredder
Precision

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 12:54:00PM

UTM-Easting 728278.81E
Northing 4234821.48N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Benzo(k)fluoranthene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1110	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2220	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<555	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<555	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	6190	09	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1110	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<555	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2220	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<555	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<555	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<555	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Fluorene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1110	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<555	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<555	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<555	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<555	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<5550	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<555	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<555	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	<555	09, ND	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<55.5	ND	µg/kg	14,590	8081A

DRAFT

Sample: AB65039

Customer #: 1201168

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201167, Surface soil collected at the head of the eastern roadway, north of the shredder
Precision

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 12:54:00PM

UTM-Easting 728278.81E
Northing 4234821.48N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	beta-BHC	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<55.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<555	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<111	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<111	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<111	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	2090	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<111	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<111	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<111	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	10.2		%	14,579	Infrared Drying

DRAFT

Sample: AB65040

Customer #: 1201170

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201169, sample of fluff from the fluff pile.
Precision

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 1:12:00PM

UTM-Easting 728286.11E
Northing 4234843.38N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<585	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<585	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<585	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<585	09, ND	µg/kg	14,507	8270C

Sample: AB65040

Customer #: 1201170

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 1:12:00PM
Entry Point:
Sample Comment: Composite, Sample #1201169, sample of fluff from the fluff pile.
Precision

UTM-Easting	Northing
728286.11E	4234843.38N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	2,4,5-Trichlorophenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1170	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<5850	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2340	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<585	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1170	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2340	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	936	09, 05	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<585	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<585	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<585	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<585	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<585	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1170	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1170	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<585	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1170	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<585	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1170	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2340	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<585	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65040

Customer #: 1201170

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201169, sample of fluff from the fluff pile.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 1:12:00PM

UTM-Easting 728286.11E
Northing 4234843.38N
Precision

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	bis(2-chloroisopropyl)ether	<585	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	58700	09	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	<1170	09, ND	µg/kg	14,507	8270C
BNAs	Chrysene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<585	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2340	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	988	09, 05	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	986	09, 05	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<585	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Fluorene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1170	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<585	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<585	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<585	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<585	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<5850	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<585	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<585	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	771	09, 05	µg/kg	14,507	8270C
BNAs	Pyrene	<585	09, ND	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<58.5	ND	µg/kg	14,590	8081A

DRAFT

120112002

Sample: AB65040

Customer #: 1201170

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 1:12:00PM
Entry Point:
Sample Comment: Composite, Sample #1201169, sample of fluff from the fluff pile.
Precision

UTM-Easting	Northing
728286.11E	4234843.38N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	Endosulfan I	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<58.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<585	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	7600	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<117	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<117	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	14.3		%	14,579	Infrared Drying

DRAFT

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 1:30:00PM
Entry Point:
Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.
Precision

UTM-Easting	Northing
728286.11E	4234843.38N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1210	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<605	09, ND	µg/kg	14,507	8270C

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 1:30:00PM

UTM-Easting	Northing	Precision
728286.11E	4234843.38N	

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	2,4-Dinitrophenol	<6050	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2420	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1210	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2420	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<605	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1210	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1210	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1210	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<605	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1210	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2420	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<605	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<605	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	71200	09	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	3650	09	µg/kg	14,507	8270C
BNAs	Chrysene	<605	09, ND	µg/kg	14,507	8270C

DRAFT

120112002

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:

Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 1:30:00PM

Entry Point:

Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.

UTM-Easting	Northing	Precision
728286.11E	4234843.38N	

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Dibenzo(a,h)anthracene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<605	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2420	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<605	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<605	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<605	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	1100	09, 05	µg/kg	14,507	8270C
BNAs	Fluorene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1210	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<605	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<605	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<605	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitrosodiphenylamine	<6050	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	1560	09	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<60.5	ND	µg/kg	14,590	8081A

DRAFT

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 1:30:00PM
Entry Point:
Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.
Precision

UTM-Easting 728286.11E
Northing 4234843.38N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	Endrin aldehyde	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<605	ND	µg/kg	14,590	8081A
PCBs	Aroclor 1016 (PCB-1016)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	7510	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<121	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	17.2		%	14,579	Infrared Drying
Total Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD	11000	08,09	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,6,7,8,9-OCDF	320	08,09	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,6,7,8-HpCDD	1200	08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,6,7,8-HpCDF	120	08,11	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,7,8,9-HpCDF	<55	11, ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,7,8,-HxCDD	6.40	05	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,7,8,-HxCDF	23.0	08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,6,7,8-HxCDD	38.0	08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,6,7,8-HxCDF	13.0	08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8,9-HxCDD	28.0	08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8,9-HxCDF	<1.8	ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8-PeCDD	<18	11, ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8-PeCDF	<10	11, ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,4,6,7,8-HxCDF	10.0	08	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,4,7,8-PeCDF	<17	11, ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,7,8-TCDD	6.60	11	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,7,8-TCDF	9.70		pg/g		Contract Lab Dep

DRAFT

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S Environmental Protection Agency.

Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality

Qualifier Descriptions

01 Improper collection method
02 Improper preservation
03 Exceeded holding time
04 Analyzed by Contract Laboratory
05 Estimated value, detected below PQL
06 Estimated value, QC data outside limits
07 Estimated value, analyte outside calibration range
08 Analyte present in blank at > 1/2 reported value
09 Sample was diluted during analysis
10 Laboratory error
11 Estimated value, matrix interference
12 Insufficient quantity
13 Estimated value, true result is >= reported value
14 Estimated value, non-homogeneous sample
15 No Result - Failed Quality Controls Requirements
16 Not analyzed - related analyte not detected
17 Results in dry weight
18 Sample pH is outside the acceptable range
19 Estimated value
20 Not analyzed - Instrument failure
21 No result - spectral interference
22 pH was performed at the Laboratory
23 Contract Lab specific qualifier - see sample comments
24 No result - matrix interference
25 No Result: Excessive Chlorination
26 No Result: Excessive Dechlorination
ND Not detected at reported value

DRAFT

DRAFT

Addendum

Missouri Department of Natural Resources
Environmental Services Program

Addendum

Reason: Collector requested additional test/added qualifier

Order ID 120112002 **Program, Contact:** HWP Julieann Warren

Report Date: 03/15/2012 **LDPR/JobCode:** FEPA5 / NJ12SHAP

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN **Affiliation:** ESP **Collect Date:** 1/11/2012 1:30:00PM
Entry Point:
Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.
Precision

UTM-Easting 728286.11E **Northing** 4234843.38N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	1,2,4-Trichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	1,2-Dichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	1,3-Dichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	1,4-Dichlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	2,4,5-Trichlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2,4,6-Trichlorophenol	<1210	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dichlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dimethylphenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrophenol	<6050	09, ND	µg/kg	14,507	8270C
BNAs	2,4-Dinitrotoluene	<2420	09, ND	µg/kg	14,507	8270C
BNAs	2,6-Dinitrotoluene	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Chloronaphthalene	<1210	09, ND	µg/kg	14,507	8270C
BNAs	2-Chlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<2420	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylnaphthalene	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Methylphenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	2-Nitrophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	3,3-Dichlorobenzidine	<605	09, ND	µg/kg	14,507	8270C
BNAs	3-Nitroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Bromophenyl phenyl ether	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloro-3-methylphenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Chloroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Chlorophenyl phenyl ether	<1210	09, ND	µg/kg	14,507	8270C
BNAs	4-Methylphenol	<1210	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 1:30:00PM
Entry Point:
Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.
Precision

UTM-Easting 728286.11E
Northing 4234843.38N

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	4-Nitroaniline	<605	09, ND	µg/kg	14,507	8270C
BNAs	4-Nitrophenol	<1210	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Acenaphthylene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Anthracene	<605	09, ND	µg/kg	14,507	8270C
BNAs	azobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)anthracene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(a)pyrene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(b)fluoranthene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(ghi)perylene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzo(k)fluoranthene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Benzoic Acid	<1210	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethoxy)methane	<2420	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Chloroethyl)ether	<605	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-chloroisopropyl)ether	<605	09, ND	µg/kg	14,507	8270C
BNAs	bis(2-Ethylhexyl) phthalate	71200	09	µg/kg	14,507	8270C
BNAs	Butyl benzyl phthalate	3650	09	µg/kg	14,507	8270C
BNAs	Chrysene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzo(a,h)anthracene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Dibenzofuran	<605	09, ND	µg/kg	14,507	8270C
BNAs	Diethyl phthalate	<2420	09, ND	µg/kg	14,507	8270C
BNAs	Dimethyl phthalate	<605	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-butyl phthalate	<605	09, ND	µg/kg	14,507	8270C
BNAs	Di-n-octyl phthalate	<605	09, ND	µg/kg	14,507	8270C
BNAs	Fluoranthene	1100	09, 05	µg/kg	14,507	8270C
BNAs	Fluorene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorobutadiene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Hexachlorocyclopentadiene	<1210	09, ND	µg/kg	14,507	8270C
BNAs	Hexachloroethane	<605	09, ND	µg/kg	14,507	8270C
BNAs	Indeno(1,2,3-cd)pyrene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Isophorone	<605	09, ND	µg/kg	14,507	8270C
BNAs	Naphthalene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Nitrobenzene	<605	09, ND	µg/kg	14,507	8270C
BNAs	n-Nitroso-di-n-propylamine	<605	09, ND	µg/kg	14,507	8270C

DRAFT

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 1/11/2012 1:30:00PM
Entry Point:
Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.

UTM-Easting	Northing	Precision
728286.11E	4234843.38N	

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	n-Nitrosodiphenylamine	<6050	09, ND	µg/kg	14,507	8270C
BNAs	Pentachlorophenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	Phenanthrene	<605	09, ND	µg/kg	14,507	8270C
BNAs	Phenol	<605	09, ND	µg/kg	14,507	8270C
BNAs	Pyrene	1560	09	µg/kg	14,507	8270C
Organochlorine Pesticides	4,4-DDD	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDE	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	4,4-DDT	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Aldrin	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	alpha-BHC	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	beta-BHC	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Chlordane	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	delta-BHC	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Dieldrin	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan I	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan II	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endosulfan sulfate	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Endrin aldehyde	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Methoxychlor	<60.5	ND	µg/kg	14,590	8081A
Organochlorine Pesticides	Toxaphene	<605	ND	µg/kg	14,590	8081A
PBDE	PBDE-209	8800	04	µg/kg		Contract Lab Dep
PBDE	PBDE-47	1300	04	µg/kg		Contract Lab Dep
PBDE	PBDE-99	1600	04	µg/kg		Contract Lab Dep
PCBs	Aroclor 1016 (PCB-1016)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1221 (PCB-1221)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1232 (PCB-1232)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1242 (PCB-1242)	7510	ND	µg/kg	14,502	8082
PCBs	Aroclor 1248 (PCB-1248)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1254 (PCB-1254)	<121	ND	µg/kg	14,502	8082
PCBs	Aroclor 1260 (PCB-1260)	<121	ND	µg/kg	14,502	8082
Percent Moisture	Percent Moisture	17.2		%	14,579	Infrared Drying

DRAFT

Sample: AB65041

Customer #: 1201172

Facility ID:
County: Jefferson
Collector: SEAN COUNIHAN
Entry Point:
Sample Comment: Composite, Sample #1201171, 0-12" depth sample collected from the bottom of the fluff pile.

Site: Shapiro Brothers Scrap Yard
Sample Reference ID:
Affiliation: ESP
Collect Date: 1/11/2012 1:30:00PM

UTM-Easting 728286.11E
Northing 4234843.38N
Precision

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Total Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD	11000	04,08,09	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,6,7,8,9-OCDF	320	04,08,09	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,6,7,8-HpCDD	1200	04,08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,6,7,8-HpCDF	120	04,08,11	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,7,8,9-HpCDF	<55	04,11,ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,7,8,-HxCDD	6.40	O4,05	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,4,7,8,-HxCDF	23.0	04,08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,6,7,8-HxCDD	38.0	04,08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,6,7,8-HxCDF	13.0	04,08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8,9-HxCDD	28.0	04,08	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8,9-HxCDF	<1.8	04,ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8-PeCDD	<18	04,11,ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	1,2,3,7,8-PeCDF	<10	04,11,ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,4,6,7,8-HxCDF	10.0	04,08	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,4,7,8-PeCDF	<17	04,11,ND	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,7,8-TCDD	6.60	04,11	pg/g		Contract Lab Dep
Total Dioxins and Furans	2,3,7,8-TCDF	9.70	04	pg/g		Contract Lab Dep

DRAFT

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S Environmental Protection Agency.

Qualifier Descriptions

01 Improper collection method
02 Improper preservation
03 Exceeded holding time
04 Analyzed by Contract Laboratory
05 Estimated value, detected below PQL
06 Estimated value, QC data outside limits
07 Estimated value, analyte outside calibration range
08 Analyte present in blank at > 1/2 reported value
09 Sample was diluted during analysis
10 Laboratory error
11 Estimated value, matrix interference
12 Insufficient quantity
13 Estimated value, true result is >= reported value
14 Estimated value, non-homogeneous sample
15 No Result - Failed Quality Controls Requirements
16 Not analyzed - related analyte not detected
17 Results in dry weight
18 Sample pH is outside the acceptable range
19 Estimated value
20 Not analyzed - Instrument failure
21 No result - spectral interference
22 pH was performed at the Laboratory
23 Contract Lab specific qualifier - see sample comments
24 No result - matrix interference
25 No Result: Excessive Chlorination
26 No Result: Excessive Dechlorination
ND Not detected at reported value

Sy Dunmire for Chris Boldt

Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality

Missouri Department of Natural Resources
Environmental Services Program

Order ID 120413006 **Program, Contact:** HWP Julieann Warren

Report Date: 04/24/2012 **LDPR/JobCode:** FEPA5 / NJ12SHAP

Sample: AB70470

Customer #: 1201180

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 12:38:00PM
Entry Point:
Sample Comment: Grab sample 1201180, SW01 collected at north side of 12th St Bridge.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Dissolved	Arsenic	0.99	05	µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Cadmium	0.65		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Copper	13.2		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Lead	1.25		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Zinc	40.9		µg/L	15,695	SW 846 6020
6020 Metals-Total Recoverable	Arsenic	0.72	05	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	1.02		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	25.6		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	34.3		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	59.8		µg/L	15,703	SW 846 6020
CMNK 6010B Dissolved	Calcium	125		mg/L	15,734	SW 846 6010B
CMNK 6010B Dissolved	Magnesium	52.6		mg/L	15,734	SW 846 6010B
CMNK 6010B Total Recoverable	Calcium	115		mg/L	15,735	SW 846 6010B
CMNK 6010B Total Recoverable	Magnesium	48.0		mg/L	15,735	SW 846 6010B
Field Dissolved Oxygen	Field Dissolved Oxygen	8.0		mg/L		SM 4500-O-G
Field pH	Field pH	7.51		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	1190		µS/cm		SM 2510
Field Temperature	Field Temperature	16.5		° C		EPA 170.1
Field Turbidity	Field Turbidity	1.54		NTU		EPA 180.1
Hardness as CaCO3 Dissolved-N	Hardness as CaCO3	529		mg/L		SM 2340-B
Hardness as CaCO3-TR-N	Hardness as CaCO3	485		mg/L		SM 2340-B
Oxidation Reduction Potential	Oxidation Reduction Potential	54		mV		Not Applicable

DRAFT

Sample: AB70471

Customer #: 1201181

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 1:14:00PM
Entry Point:
Sample Comment: Grab sample1201181. SW02, collected at South side of 6th St. Bridge.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Dissolved	Arsenic	2.04		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Cadmium	<0.1	ND	µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Copper	2.44		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Lead	<0.5	ND	µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Zinc	10.6		µg/L	15,695	SW 846 6020
6020 Metals-Total Recoverable	Arsenic	1.87		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	0.12	05	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	2.81		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	3.26		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	12.9		µg/L	15,703	SW 846 6020
CMNK 6010B Dissolved	Calcium	58.5		mg/L	15,734	SW 846 6010B
CMNK 6010B Dissolved	Magnesium	29.6		mg/L	15,734	SW 846 6010B
CMNK 6010B Total Recoverable	Calcium	53.8		mg/L	15,735	SW 846 6010B
CMNK 6010B Total Recoverable	Magnesium	27.4		mg/L	15,735	SW 846 6010B
Field Dissolved Oxygen	Field Dissolved Oxygen	8.6		mg/L		SM 4500-O-G
Field pH	Field pH	7.78		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	734		µS/cm		SM 2510
Field Temperature	Field Temperature	17.4		° C		EPA 170.1
Field Turbidity	Field Turbidity	2.03		NTU		EPA 180.1
Hardness as CaCO3 Dissolved-N	Hardness as CaCO3	268		mg/L		SM 2340-B
Hardness as CaCO3-TR-N	Hardness as CaCO3	247		mg/L		SM 2340-B
Oxidation Reduction Potential	Oxidation Reduction Potential	64		mV		Not Applicable

DRAFT

Sample: AB70472

Customer #: 1201182

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 1:38:00PM
Entry Point:
Sample Comment: Grab sample #1201182. SW03, collected at Southside of Bailey Road Bridge.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Dissolved	Arsenic	1.92		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Cadmium	<0.1	ND	µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Copper	3.92		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Lead	<0.5	ND	µg/L	15,695	SW 846 6020

120413006

Sample: AB70472

Customer #: 1201182

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 1:38:00PM
Entry Point:
Sample Comment: Grab sample #1201182. SW03, collected at Southside of Bailey Road Bridge.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Dissolved	Zinc	12.3		µg/L	15,695	SW 846 6020
6020 Metals-Total Recoverable	Arsenic	1.70		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	<0.10	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	5.66		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	2.29		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	12.2		µg/L	15,703	SW 846 6020
CMNK 6010B Dissolved	Calcium	77.6		mg/L	15,734	SW 846 6010B
CMNK 6010B Dissolved	Magnesium	35.5		mg/L	15,734	SW 846 6010B
CMNK 6010B Total Recoverable	Calcium	76.4		mg/L	15,735	SW 846 6010B
CMNK 6010B Total Recoverable	Magnesium	35.6		mg/L	15,735	SW 846 6010B
Field Dissolved Oxygen	Field Dissolved Oxygen	7.4		mg/L		SM 4500-O-G
Field pH	Field pH	7.66		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	829		µS/cm		SM 2510
Field Temperature	Field Temperature	18.0		° C		EPA 170.1
Field Turbidity	Field Turbidity	4.83		NTU		EPA 180.1
Hardness as CaCO3 Dissolved-N	Hardness as CaCO3	340		mg/L		SM 2340-B
Hardness as CaCO3-TR-N	Hardness as CaCO3	337		mg/L		SM 2340-B
Oxidation Reduction Potential	Oxidation Reduction Potential	32		mV		Not Applicable

DRAFT

Sample: AB70473

Customer #: 1201183

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 12:00:00AM
Entry Point:
Sample Comment: Grab sample #1201183. Blind Duplicate.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Dissolved	Arsenic	1.07		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Cadmium	0.65		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Copper	12.7		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Lead	1.12		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Zinc	40.8		µg/L	15,695	SW 846 6020
6020 Metals-Total Recoverable	Arsenic	0.84	05	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	1.39		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	29.3		µg/L	15,703	SW 846 6020

Sample: AB70473
Customer #: 1201183

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 12:00:00AM
Entry Point:
Sample Comment: Grab sample #1201183. Blind Duplicate.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Total Recoverable	Lead	56.1		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	69.3		µg/L	15,703	SW 846 6020
CMNK 6010B Dissolved	Calcium	119		mg/L	15,734	SW 846 6010B
CMNK 6010B Dissolved	Magnesium	50.4		mg/L	15,734	SW 846 6010B
CMNK 6010B Total Recoverable	Calcium	121		mg/L	15,735	SW 846 6010B
CMNK 6010B Total Recoverable	Magnesium	51.1		mg/L	15,735	SW 846 6010B
Hardness as CaCO3 Dissolved-N	Hardness as CaCO3	505		mg/L		SM 2340-B
Hardness as CaCO3-TR-N	Hardness as CaCO3	513		mg/L		SM 2340-B

Sample: AB70474
Customer #: 1201184

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 4:54:00PM
Entry Point:
Sample Comment: Grab sample #1201184, Rinsate Blank

DRAFT

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Total Recoverable	Arsenic	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	<0.10	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	0.83	05	µg/L	15,703	SW 846 6020

Sample: AB70475
Customer #: 1201185

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 5:45:00PM
Entry Point:
Sample Comment: Grab sample #1201185, SW04 collected from stream in Sunset Park.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Dissolved	Arsenic	1.45		µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Cadmium	<0.1	ND	µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Copper	2.41		µg/L	15,695	SW 846 6020

Sample: AB70475

Customer #: 1201185

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/9/2012 5:45:00PM
Entry Point:
Sample Comment: Grab sample #1201185, SW04 collected from stream in Sunset Park.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Dissolved	Lead	<0.5	ND	µg/L	15,695	SW 846 6020
6020 Metals-Dissolved	Zinc	12.6		µg/L	15,695	SW 846 6020
6020 Metals-Total Recoverable	Arsenic	1.36		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	<0.10	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	2.41		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	3.10		µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	15.3		µg/L	15,703	SW 846 6020
CMNK 6010B Dissolved	Calcium	101		mg/L	15,734	SW 846 6010B
CMNK 6010B Dissolved	Magnesium	45.6		mg/L	15,734	SW 846 6010B
CMNK 6010B Total Recoverable	Calcium	95.5		mg/L	15,735	SW 846 6010B
CMNK 6010B Total Recoverable	Magnesium	42.9		mg/L	15,735	SW 846 6010B
Field Dissolved Oxygen	Field Dissolved Oxygen	8.3		mg/L		SM 4500-O-G
Field pH	Field pH	7.88		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	989		µS/cm		SM 2510
Field Temperature	Field Temperature	14.6		° C		EPA 170.1
Field Turbidity	Field Turbicity	1.21		NTU		EPA 180.1
Hardness as CaCO3 Dissolved-N	Hardness as CaCO3	440		mg/L		SM 2340-B
Hardness as CaCO3-TR-N	Hardness as CaCO3	415		mg/L		SM 2340-B
Oxidation Reduction Potential	Oxidation Reduction Potential	0		mV		Not Applicable

DRAFT

Sample: AB70476

Customer #: 1201186

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/10/2012 4:18:00PM
Entry Point:
Sample Comment: Grab sample #1201186, Rinsate Blank

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Total Recoverable	Arsenic	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	<0.10	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	1.27		µg/L	15,703	SW 846 6020

Sample: AB70477

Customer #: 1201187

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/11/2012 4:12:00PM
Entry Point:
Sample Comment: Grab sample #1201187, Rinsate Blank.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Total Recoverable	Arsenic	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	<0.10	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	1.94		µg/L	15,703	SW 846 6020

Sample: AB70478

Customer #: 1201188

Facility ID:
County: Jefferson
Site: Shapiro Brothers
Sample Reference ID:
Collector: SEAN COUNIHAN
Affiliation: ESP
Collect Date: 4/12/2012 2:48:00PM
Entry Point:
Sample Comment: Grab sample #1201188, Rinsate Blank.

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6020 Metals-Total Recoverable	Arsenic	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Cadmium	<0.10	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Copper	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Lead	<0.50	ND	µg/L	15,703	SW 846 6020
6020 Metals-Total Recoverable	Zinc	<0.50	ND	µg/L	15,703	SW 846 6020

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S Environmental Protection Agency.

Chris Boldt

Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality

Qualifier Descriptions

01 Improper collection method
02 Improper preservation
03 Exceeded holding time
04 Analyzed by Contract Laboratory
05 Estimated value, detected below PQL
06 Estimated value, QC data outside limits
07 Estimated value, analyte outside calibration range
08 Analyte present in blank at > 1/2 reported value
09 Sample was diluted during analysis
10 Laboratory error
11 Estimated value, matrix interference
12 Insufficient quantity
13 Estimated value, true result is >= reported value
14 Estimated value, non-homogeneous sample
15 No Result - Failed Quality Controls Requirements
16 Not analyzed - related analyte not detected
17 Results in dry weight
18 Sample pH is outside the acceptable range
19 Estimated value
20 Not analyzed - Instrument failure
21 No result - spectral interference
22 pH was performed at the Laboratory
23 Contract Lab specific qualifier - see sample comments
24 No result - matrix interference
25 No Result: Excessive Chlorination
26 No Result: Excessive Dechlorination
ND Not detected at reported value

120413006

Missouri Department of Natural Resources
Environmental Services Program

Order ID 120608008 **Program, Contact:** HWP Julieann Warren

Report Date: 06/25/2012 **LDPR/JobCode:** FEPA5 / NJ12SHAP

Sample: AB76419

Customer #: H1000001

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 110
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/10/2012 8:40:00AM
Entry Point:
Sample Comment: Composite, SU1.

DRAFT

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	5220		µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	16200		µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Lead	1620000		µg/kg	16,507	SW 846 6010B
BNAs	1,2,4-Trichlorobenzene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	1,2-Dichlorobenzene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	1,3-Dichlorobenzene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	1,4-Dichlorobenzene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2,4,5-Trichlorophenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2,4,6-Trichlorophenol	<100	ND, 03	µg/kg	16,513	8270C
BNAs	2,4-Dichlorophenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2,4-Dimethylphenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2,4-Dinitrophenol	<500	ND, 03	µg/kg	16,513	8270C
BNAs	2,4-Dinitrotoluene	<200	ND, 03	µg/kg	16,513	8270C
BNAs	2,6-Dinitrotoluene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2-Chloronaphthalene	<100	ND, 03	µg/kg	16,513	8270C
BNAs	2-Chlorophenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2-Methyl-4,6-dinitrophenol	<200	ND, 03	µg/kg	16,513	8270C
BNAs	2-Methylnaphthalene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2-Methylphenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2-Nitroaniline	<50	ND, 03	µg/kg	16,513	8270C
BNAs	2-Nitrophenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	3,3-Dichlorobenzidine	<50	ND, 03	µg/kg	16,513	8270C
BNAs	3-Nitroaniline	<50	ND, 03	µg/kg	16,513	8270C
BNAs	4-Bromophenyl phenyl ether	<50	ND, 03	µg/kg	16,513	8270C
BNAs	4-Chloro-3-methylphenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	4-Chloroaniline	<50	ND, 03	µg/kg	16,513	8270C

Sample: AB76419

Customer #: H1000001

Facility ID:
County: Jefferson
Collector: MICHAEL STROH
Entry Point:
Sample Comment: Composite, SU1.

Site: Shapiro Brothers Scrapyard
Sample Reference ID: 110
Affiliation: HWP

Collect Date: 4/10/2012 8:40:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	4-Chlorophenyl phenyl ether	<100	ND, 03	µg/kg	16,513	8270C
BNAs	4-Methylphenol	<100	ND, 03	µg/kg	16,513	8270C
BNAs	4-Nitroaniline	<50	ND, 03	µg/kg	16,513	8270C
BNAs	4-Nitrophenol	<100	ND, 03	µg/kg	16,513	8270C
BNAs	Acenaphthene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Acenaphthylene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Anthracene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	azobenzene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Benzo(a)anthracene	833	03	µg/kg	16,513	8270C
BNAs	Benzo(a)pyrene	1590	03	µg/kg	16,513	8270C
BNAs	Benzo(b)fluoranthene	1200	03	µg/kg	16,513	8270C
BNAs	Benzo(ghi)perylene	852	03	µg/kg	16,513	8270C
BNAs	Benzo(k)fluoranthene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Benzoic Acid	<100	ND, 03	µg/kg	16,513	8270C
BNAs	bis(2-Chloroethoxy)methane	<200	ND, 03	µg/kg	16,513	8270C
BNAs	bis(2-Chloroethyl)ether	<50	ND, 03	µg/kg	16,513	8270C
BNAs	bis(2-chloroisopropyl)ether	<50	ND, 03	µg/kg	16,513	8270C
BNAs	bis(2-Ethylhexyl) phthalate	<100	ND, 03	µg/kg	16,513	8270C
BNAs	Butyl benzyl phthalate	<100	ND, 03	µg/kg	16,513	8270C
BNAs	Chrysene	1180	03	µg/kg	16,513	8270C
BNAs	Dibenzo(a,h)anthracene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Dibenzofuran	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Diethyl phthalate	<200	ND, 03	µg/kg	16,513	8270C
BNAs	Dimethyl phthalate	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Di-n-butyl phthalate	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Di-n-octyl phthalate	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Fluoranthene	2000	03	µg/kg	16,513	8270C
BNAs	Fluorene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Hexachlorobenzene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Hexachlorobutadiene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Hexachlorocyclopentadiene	<100	ND, 03	µg/kg	16,513	8270C
BNAs	Hexachloroethane	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Indeno(1,2,3-cd)pyrene	1130	03	µg/kg	16,513	8270C
BNAs	Isophorone	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Naphthalene	<50	ND, 03	µg/kg	16,513	8270C

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Sample: AB76419
Customer #: H1000001

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 110
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/10/2012 8:40:00AM
Entry Point:
Sample Comment: Composite, SU1.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
BNAs	Nitrobenzene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	n-Nitroso-di-n-propylamine	<50	ND, 03	µg/kg	16,513	8270C
BNAs	n-Nitrosodiphenylamine	<500	ND, 03	µg/kg	16,513	8270C
BNAs	Pentachlorophenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Phenanthrene	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Phenol	<50	ND, 03	µg/kg	16,513	8270C
BNAs	Pyrene	1640		µg/kg	16,513	8270C
Percent Moisture	Percent Moisture	1.9		%	16,388	Infrared Drying

Sample: AB76420
Customer #: H1000002

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 115
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/10/2012 9:55:00AM
Entry Point:
Sample Comment: Composite, SU1 Replicate 3.

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	4810		µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	18600	09	µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Lead	2360000		µg/kg	16,507	SW 846 6010B
Percent Moisture	Percent Moisture	1.8		%	16,388	Infrared Drying

Sample: AB76421
Customer #: H1000003

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 103
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/9/2012 4:45:00PM
Entry Point:
Sample Comment: Composite, SU1, Replicate 3.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	4690		µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	10500		µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Lead	1250000		µg/kg	16,507	SW 846 6010B
Organochlorine Pesticides	4,4-DDD	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	4,4-DDE	<5.08	ND, 03	µg/kg	16,452	8081A

Sample: AB76421

Customer #: H1000003

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 103
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/9/2012 4:45:00PM
Entry Point:
Sample Comment: Composite, SU1, Replicate 3.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
Organochlorine Pesticides	4,4-DDT	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Aldrin	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	alpha-BHC	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	beta-BHC	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Chlordane	<50.8	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	delta-BHC	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Dieldrin	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Endosulfan I	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Endosulfan II	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Endosulfan sulfate	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Endrin	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Endrin aldehyde	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	gamma-BHC (Lindane)	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Heptachlor	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Heptachlor Epoxide	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Methoxychlor	<5.08	ND, 03	µg/kg	16,452	8081A
Organochlorine Pesticides	Toxaphene	<50.8	ND, 03	µg/kg	16,452	8081A
Percent Moisture	Percent Moisture	1.6		%	16,388	Infrared Drying

DRAFT

Sample: AB76422

Customer #: H1000004

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 300
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/9/2012 10:25:00AM
Entry Point:
Sample Comment: Composite, Background.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	1640	05	µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	653		µg/kg	16,507	SW 846 6010B
6010B Metals-Total Recoverable	Lead	45300		µg/kg	16,507	SW 846 6010B
Percent Moisture	Percent Moisture	4.9		%	16,388	Infrared Drying

Sample: AB76423
Customer #: H1000005

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 301
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/9/2012 5:30:00PM
Entry Point:
Sample Comment: Composite, background.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	4050		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	810		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	98600		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	6.9		%	16,388	Infrared Drying

Sample: AB76424
Customer #: H1000006

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 302
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/9/2012 6:02:00PM
Entry Point:
Sample Comment: Composite, background

DRAFT

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	1690	05	µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	844		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	54800		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	6.8		%	16,388	Infrared Drying

Sample: AB76425
Customer #: H1000007

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 133
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/10/2012 4:08:00PM
Entry Point:
Sample Comment: Composite, SU2

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	3490		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	2960		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	237000		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	4.0		%	16,388	Infrared Drying

Sample: AB76426

Customer #: H1000008

Facility ID:
County: Jefferson
Collector: MICHAEL STROH
Entry Point:
Sample Comment: Composite, SU1. Replicate 1.

Site: Shapiro Brothers Scrapyard
Sample Reference ID: 146
Affiliation: HWP
Collect Date: 4/10/2012 2:55:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	8860		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	4390		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	453000		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	3.4		%	16,388	Infrared Drying

Sample: AB76427

Customer #: H1000009

Facility ID:
County: Jefferson
Collector: MICHAEL STROH
Entry Point:
Sample Comment: Composite, SU2.

Site: Shapiro Brothers Scrapyard
Sample Reference ID: 105
Affiliation: HWP
Collect Date: 4/10/2012 11:20:00AM

DRAFT

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	5990		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	4960		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	494000		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	8.7		%	16,388	Infrared Drying

Sample: AB76428

Customer #: H1000010

Facility ID:
County: Jefferson
Collector: MICHAEL STROH
Entry Point:
Sample Comment: Composite, SU1. Replicate 2.

Site: Shapiro Brothers Scrapyard
Sample Reference ID: 160
Affiliation: HWP
Collect Date: 4/12/2012 2:00:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	1870	05	µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	8260		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	992000		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	2.5		%	16,388	Infrared Drying

Sample: AB76429
Customer #: H1000011

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 106
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/10/2012 12:40:00PM
Entry Point:
Sample Comment: Composite, SU1.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	2510		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	5790		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	683000		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	2.7		%	16,388	Infrared Drying

Sample: AB76430
Customer #: H1000012

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 217
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/11/2012 4:00:00PM
Entry Point:
Sample Comment: Composite, SU1.

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	2340	05	µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	3720		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	421000		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	2.3		%	16,388	Infrared Drying

Sample: AB76431
Customer #: H1000013

Facility ID:
County: Jefferson
Site: Shapiro Brothers Scrapyard
Sample Reference ID: 119
Collector: MICHAEL STROH
Affiliation: HWP
Collect Date: 4/11/2012 10:43:00AM
Entry Point:
Sample Comment: Composite, SU1.

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
6010B Metals-Total Recoverable	Arsenic	7990		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Cadmium	4730		µg/kg	16,496	SW 846 6010B
6010B Metals-Total Recoverable	Lead	450000		µg/kg	16,496	SW 846 6010B
Percent Moisture	Percent Moisture	3.0		%	16,388	Infrared Drying

Sample: **AB76432**

Customer #: H1000014

Facility ID:
County: Jefferson
Collector: MICHAEL STROH
Entry Point:
Sample Comment: Composite, Beneath Transformer Pad.

Site: Shapiro Brothers Scrapyard
Sample Reference ID:
Affiliation: HWP
Collect Date: 4/10/2012 8:05:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
PCBs	Aroclor 1016 (PCB-1016)	<10.08	ND, 03	µg/kg	16,441	8082
PCBs	Aroclor 1221 (PCB-1221)	<10.08	ND, 03	µg/kg	16,441	8082
PCBs	Aroclor 1232 (PCB-1232)	<10.08	ND, 03	µg/kg	16,441	8082
PCBs	Aroclor 1242 (PCB-1242)	<10.08	ND, 03	µg/kg	16,441	8082
PCBs	Aroclor 1248 (PCB-1248)	<10.08	ND, 03	µg/kg	16,441	8082
PCBs	Aroclor 1254 (PCB-1254)	<10.08	ND, 03	µg/kg	16,441	8082
PCBs	Aroclor 1260 (PCB-1260)	<10.08	ND, 03	µg/kg	16,441	8082
Percent Moisture	Percent Moisture	0.8		%	16,388	Infrared Drying

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S Environmental Protection Agency.

DRAFT

Chris Boldt

Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality

Qualifier Descriptions

01 Improper collection method
02 Improper preservation
03 Exceeded holding time
04 Analyzed by Contract Laboratory
05 Estimated value, detected below PQL
06 Estimated value, QC data outside limits
07 Estimated value, analyte outside calibration range
08 Analyte present in blank at > 1/2 reported value
09 Sample was diluted during analysis
10 Laboratory error
11 Estimated value, matrix interference
12 Insufficient quantity
13 Estimated value, true result is >= reported value
14 Estimated value, non-homogeneous sample
15 No Result - Failed Quality Controls Requirements
16 Not analyzed - related analyte not detected
17 Results in dry weight
18 Sample pH is outside the acceptable range
19 Estimated value
20 Not analyzed - Instrument failure
21 No result - spectral interference
22 pH was performed at the Laboratory
23 Contract Lab specific qualifier - see sample comments
24 No result - matrix interference
25 No Result: Excessive Chlorination
26 No Result: Excessive Dechlorination
ND Not detected at reported value

120608008

Analytical Resources, Incorporated
Analytical Chemists and Consultants

July 2, 2012

Curt Lueckenhoff
DEQ – HWP
1730 East Elm Street
Jefferson City, MO 65101

ARI Job No.: UY23

Dear Mr. Lueckenhoff:

Please find enclosed the original Chain-of-Custody record (COC), sample receipt documentation, and the final data for the project referenced above. Analytical Resources, Inc. (ARI) accepted one soil sample on June 13, 2012. For further details regarding sample receipt please refer to the enclosed Cooler Receipt Form.

The sample was analyzed for PBDEs, as requested on the COC.

An electronic copy of this report and all supporting raw data will remain on file with ARI. Should you have any questions or problems, please feel free to contact me at your convenience.

DRAFT

Respectfully,
ANALYTICAL RESOURCES, INC.

Cheronne Oreiro
Project Manager
(206) 695-6214
cheronneo@arilabs.com
www.arilabs.com

eFile: UY23

Enclosures

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

Sample ID Cross Reference Report

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: UY23
Client: Missouri Department of Natural R
Project Event: N/A
Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	1201172	UY23A	12-10736	Soil	01/11/12 13:30	06/13/12 09:40

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Analytical Resources, Incorporated
Analytical Chemists and Consultants

Data Reporting Qualifiers

Effective 2/14/2011

Inorganic Data

U — Indicates that the target analyte was not detected at the reported concentration

* — Duplicate RPD is not within established control limits

B — Reported value is less than the CRDL but ≥ the Reporting Limit

N — Matrix Spike recovery not within established control limits

NA — Not Applicable, analyte not spiked

H — The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L — Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U — Indicates that the target analyte was not detected at the reported concentration

* — Flagged value is not within established control limits

B — Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J — Estimated concentration when the value is less than ARI's established reporting limits

D — The spiked compound was not detected due to sample extract dilution

E — Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

Q — Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20%Drift or minimum RRF).

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S	Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte
NA	The flagged analyte was not analyzed for
NR	Spiked compound recovery is not reported due to chromatographic interference
NS	The flagged analyte was not spiked into the sample
M	Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses
M2	The sample contains PCB congeners that do not match any standard Aroclor pattern. The PCBs are identified and quantified as the Aroclor whose pattern most closely matches that of the sample. The reported value is an estimate.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"
Y	The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.
EMPC	Estimated Maximum Possible Concentration (EMPC) defined in EPA Statement of Work DLM02.2 as a value "calculated for 2,3,7,8-substituted isomers for which the quantitation and /or confirmation ion(s) has signal to noise in excess of 2.5, but does not meet identification criteria" **(Dioxin/Furan analysis only)**
C	The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column
P	The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference
X	Analyte signal includes interference from polychlorinated diphenyl ethers. **(Dioxin/Furan analysis only)**
Z	Analyte signal includes interference from the sample matrix or perfluorokerosene ions. **(Dioxin/Furan analysis only)**

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Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

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UY23:00008

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PBDE by GC/ECD Method SW8082
Extraction Method: SW3546

Sample ID: 1201172
SAMPLE

Lab Sample ID: UY23A
LIMS ID: 12-10736
Matrix: Soil
Data Release Authorized:
Reported: 06/28/12

QC Report No: UY23-Missouri Department of Natural R
Project:

Date Sampled: 01/11/12
Date Received: 06/13/12

Date Extracted: 06/20/12
Date Analyzed: 06/22/12 16:01
Instrument/Analyst: ECD6/PK
GPC Cleanup: No
Silica Gel: Yes
Acid Cleanup: No

Sample Amount: 0.79 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0
Percent Moisture: 23.7%

CAS Number	Analyte	RL	Result
5436-43-1	PBDE-47	63	1,300 P
60348-60-9	PBDE-99	63	1,600 P
1163-19-5	PBDE-209	63	8,800

Reported in µg/kg (ppb)

PBDE Surrogate Recovery

2,2',3,3',4,4',5,6-Octachlorob	110%

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ANALYTICAL RESOURCES INCORPORATED

SW8082/PBDE SOIL/SOLID SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: UY23-Missouri Department of Natural R
Project:

Client ID	PCB-195	TOT OUT
MB-062012	82.0%	0
LCS-062012	81.0%	0
1201172	110%	0

	LCS/MB LIMITS	QC LIMITS
(PCB-195) = 2,2',3,3',4,4',5,6-Octachlor	(30-160)	(30-160)

Prep Method: SW3546
Log Number Range: 12-10736 to 12-10736

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FORM-II SW8082

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PBDE by GC/ECD Method SW8082

Sample ID: LCS-062012
LCS/LCSD

Lab Sample ID: LCS-062012
LIMS ID: 12-10736
Matrix: Soil
Data Release Authorized:
Reported: 06/29/12

QC Report No: UY23-Missouri Department of Natural R
Project:

Date Sampled: NA
Date Received: NA

Date Extracted LCS/LCSD: 06/20/12

Date Analyzed LCS: 06/22/12 13:54
Instrument/Analyst LCS: ECD6/PK
GPC Cleanup: No
Silica Gel: Yes
Acid Cleanup: No

Sample Amount LCS: 10.0 g-dry-wt
LCSD: 10.0 g-dry-wt
Final Extract Volume LCS: 1.0 mL
Dilution Factor LCS: 1.00

Analyte	Lab Control	Spike Added	Recovery
PBDE-209	23.3	25.0	93.2%
PBDE-47	4.27	5.00	85.4%
PBDE-99	4.26	5.00	85.2%

PBDE Surrogate Recovery

2,2',3,3',4,4',5,6-Octach	81.0%

Results reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

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ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PBDE by GC/ECD Method SW8082
Extraction Method: SW3546

Sample ID: MB-062012
METHOD BLANK

Lab Sample ID: MB-062012
LIMS ID: 12-10736
Matrix: Soil
Data Release Authorized:
Reported: 06/28/12

QC Report No: UY23-Missouri Department of Natural R
Project:

Date Sampled: NA
Date Received: NA

Date Extracted: 06/20/12
Date Analyzed: 06/22/12 12:51
Instrument/Analyst: ECD6/PK
GPC Cleanup: No
Silica Gel: Yes
Acid Cleanup: No

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA

CAS Number	Analyte	RL	Result
5436-43-1	PBDE-47	0.5	< 0.5 U
60348-60-9	PBDE-99	0.5	< 0.5 U
1163-19-5	PBDE-209	0.5	< 0.5 U

Reported in µg/kg (ppb)

PBDE Surrogate Recovery

2,2',3,3',4,4',5,6-Octachlorob	82.0%

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FORM I

APPENDIX C

Chain of Custody

Shapiro Brothers Salvage Yard Site

Festus, Jefferson County, MO

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

AB65041

LABORATORY ORDER ID: _____

Collector's Name: Transfer Chain of Custody to Analytical Resources Inc.
(Please Print)

Affiliation: ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:
(circle one)

Description of Shipment
x Shipped-Carrier: UPS
X Tape sealed and initialed
Hand Delivered
No. Of Containers:

Sample Number	Sample Collected	Analyses						Sample Type	For Lab Use Only: Matrix	Container	Preserved
1201172 (Sample A)	Date: 01/11/12	PBDE by Modified EPA Method 8080						Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	H_2SO_4 / HNO_3 / NAOH / HCL / 4°C(None) / Disinfected / Other
For Lab Use Only AB65041	Time: 13:30	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				
(Sample B)	Date:							Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	H_2SO_4 / HNO_3 / NAOH / HCL / 4°C(None) / Disinfected / Other
For Lab Use Only	Time:	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				
(Sample C)	Date:							Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	H_2SO_4 / HNO_3 / NAOH / HCL / 4°C(None) / Disinfected / Other
For Lab Use Only	Time:	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				
(Sample D)	Date:							Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	H_2SO_4 / HNO_3 / NAOH / HCL / 4°C(None) / Disinfected / Other
For Lab Use Only	Time:	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				

Relinquished By:	Received By:	Date:	Time:
[signature]	UPS	6/12/12	14:15
Relinquished By:	Received By: [signature]	Date: 6/13/12	Time: 940
Relinquished By:	Received By:	Date:	Time:

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UY23 : 00002

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
Tape sealed and initialed
Shipped
X Hand Delivered
Total No. Of Containers: 8
Carrier:
By:

Collector's Name: Sean Counihan
(Please Print)

Affiliation: KCRO NERO SERO SLRO SWRO WPP DGLS HWP ESP MoDOT
(circle one) MDC DHSS Other:

LAB USE ONLY!
Laboratory ID: 12011 2002
Location: B-16

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
1201152 (Sample A) / For Lab Use Only: AB65031	Date: 1/11/2012 / Time: 1055	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201154 (Sample B) / For Lab Use Only: AB65032	Date: 1/11/2012 / Time: 1130	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201156 (Sample C) / For Lab Use Only: AB65033	Date: 1/11/2012 / Time: 1100	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201158 (Sample D) / For Lab Use Only: AB65034	Date: 1/11/2012 / Time: 1135	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2

Relinquished By:	Received By:	Date:	Time:
[signature]	[signature]	1-12-12	0837
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201152, Collected from sediment/soil stored in Super Sacks from truck wash station, TW 1-4 and new sack being filled

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample B	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201154, Collected from sediment/soil stored in Super Sacks from truck wash station, TW 5-8

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample C	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201156, Collected from sediment/soil stored in Super Sacks from truck wash station, TW 9-12

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample D	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201158, Collected from sediment/soil stored in Super Sacks from street sweepings. SS. A,B,C,D

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

TCLP if applicable

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
Tape sealed and initialed
Shipped
X Hand Delivered
Total No. Of Containers: 8
Carrier:
By:

Collector's Name: Sean Counihan
(Please Print)

Affiliation: *(circle one)* KCRO NERO SERO SLRO SWRO WPP DGLS HWP ESP MoDOT MDC DHSS Other:

LAB USE ONLY!
Laboratory ID: 120112002
Location: B-16

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
1201160 (Sample A) / For Lab Use Only: AB65035	Date: 1/11/2012 Time: 1155	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201162 (Sample B) / For Lab Use Only: AB65036	Date: 1/11/2012 Time: 1210	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201164 (Sample C) / For Lab Use Only: AB65037	Date: 1/11/2012 Time: 1225	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201166 (Sample D) / For Lab Use Only: AB65038	Date: 1/11/2012 Time: 1233	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2

Relinquished By:	Received By:	Date: 1-12-12	Time: 0837
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A

LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:	
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201160, Surface soil collected from north end of the old railroad spur on east side of property

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample B

LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:	
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201162, Surface soil collected from eastern roadway across from maintenance building

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample C

LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:	
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201164, Surface soil collected at the base of the first scrap pile on eastern edge, just north of the shear.

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample D

LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:	
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **[Composite]** Modified Other:

Sample # 1201166, Surface soil collected from eastern roadway at T-junction between scrap pile 1 and scrap pile 2

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	**[Soil]**
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
[Investigation]	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

TCLP if applicable

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
____ Tape sealed and initialed — Total No. Of Containers: 7
____ Shipped — Carrier: ____
X Hand Delivered — By: ____

Collector's Name: Sean Counihan
(Please Print)

Affiliation: *(circle one)* KCRO NERO SERO SLRO SWRO WPP DGLS HWP ESP MoDOT MDC DHSS Other:

LAB USE ONLY!
Laboratory ID: 120112002
Location: 8-16

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
1201168 (Sample A) / For Lab Use Only: AB65039	Date: 1/11/2012 Time: 1254	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201170 (Sample B) / For Lab Use Only: AB65040	Date: 1/11/2012 Time: 1312	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201172 (Sample C) / For Lab Use Only: AB65041	Date: 1/11/2012 Time: 1330	organochlorine pesticides, BNAs, PCBs, dioxins and furans	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	3
(Sample D) / For Lab Use Only	Date: Time:		None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:			

Relinquished By:	Received By:	Date: 1-12-12	Time: 0857
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **Composite** Modified Other:

Sample # 1201167, Surface soil collected at the head of the eastern roadway, north of the shredder

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP
	728278.81	4234821.48		

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, **Investigation**, Monitoring, Special Project

Sample Type: (circle one)
Air, **Soil**, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample B	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **Composite** Modified Other:

Sample # 1201169, Sample of fluff from the fluff pile

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP
	728286.11	4234843.38		

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, **Investigation**, Monitoring, Special Project

Sample Type: (circle one)
Air, **Soil**, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample C	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrap Yard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab **Composite** Modified Other:

Sample # 1201171, 0-12" depth sample collected from the bottom of the fluff pile.

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP
	728286.11	4234843.38		

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, **Investigation**, Monitoring, Special Project

Sample Type: (circle one)
Air, **Soil**, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample D	LDPR:	Job Code:	Sample Reference ID:
Facility ID:	Site/Study Name:	County:	

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

TCLP if applicable

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
Tape sealed and initialed
Shipped
X Hand Delivered
Total No. Of Containers: 7
Carrier:
By:

Collector's Name: Sean Counihan
(Please Print)

Affiliation: KCRO NERO SERO SLRO SWRO WPP DGLS HWP ESP MoDOT
(circle one) MDC DHSS Other:

LAB USE ONLY!
Laboratory ID: 12011 2002
Location: B-16

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
1201168 (Sample A) / For Lab Use Only: AB65039	Date: 1/11/2012 / Time: 1254	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201170 (Sample B) / For Lab Use Only: AB65040	Date: 1/11/2012 / Time: 1312	organochlorine pesticides, BNAs, PCBs	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	2
1201172 (Sample C) / For Lab Use Only: AB65041	Date: 1/11/2012 / Time: 1330	organochlorine pesticides, BNAs, PCBs, dioxins and furans; BM 7.18.17 PBDE by Modified EPA Method 8080	None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:	8oz CG	4C	3
(Sample D) / For Lab Use Only	Date: / Time:		None; Cl_2; UV; Ozone; Other:	D.O.; Flow; pH; Cond.; Temp.; Other:	Water; Soil; Organic; Sludge; Other:			

Relinquished By:	Received By:	Date: 1-12-12	Time: 0837
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A | **LDPR:** FEPA5 | **Job Code:** NJ12SHAP | **Sample Reference ID:**

Facility ID: | **Site/Study Name:** Shapiro Brothers Scrap Yard | **County:** Jefferson

Sample Comment (where and how the sample was collected): **Grab** **Composite** **Modified** **Other:**
Sample # 1201167, Surface soil collected at the head of the eastern roadway, north of the shredder

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one)
	728278.81	4234821.48		EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample B | **LDPR:** FEPA5 | **Job Code:** NJ12SHAP | **Sample Reference ID:**

Facility ID: | **Site/Study Name:** Shapiro Brothers Scrap Yard | **County:** Jefferson

Sample Comment (where and how the sample was collected): **Grab** **Composite** **Modified** **Other:**
Sample # 1201169, Sample of fluff from the fluff pile

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one)
	728286.11	4234843.38		EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample C | **LDPR:** FEPA5 | **Job Code:** NJ12SHAP | **Sample Reference ID:**

Facility ID: | **Site/Study Name:** Shapiro Brothers Scrap Yard | **County:** Jefferson

Sample Comment (where and how the sample was collected): **Grab** **Composite** **Modified** **Other:**
Sample # 1201171, 0-12" depth sample collected from the bottom of the fluff pile.

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one)
	728286.11	4234843.38		EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample D | **LDPR:** | **Job Code:** | **Sample Reference ID:**

Facility ID: | **Site/Study Name:** | **County:**

Sample Comment (where and how the sample was collected): **Grab** **Composite** **Modified** **Other:**

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one)
				EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

TCLP if applicable

PBDE requested by Michael Stoh on 120172 June 2012. BMfue 7/18/12

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
Tape sealed and initialed — Total No. Of Containers: 8
Shipped — Carrier:
X Hand Delivered — By:

Collector's Name: (Please Print) Sean Counihan

Affiliation: (circle one) KCRO NERO SERO SLRO SWRO WPP DGLS HWP (ESP) MoDOT MDC DHSS Other:

LAB USE ONLY!
Laboratory ID: 1204130006
Location: B-13

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)		Matrix (circle one)	Container Type	Preservative Type	Number of Containers
1201180 (Sample A) / For Lab Use Only: AB70470	Date: 4/9/12 Time: 1238	Total + Dissolved Metals + Hardness (Ca, Cd, Cu, As, Pb, Mg, Zn)	(None) Cl2 UV Ozone Other:	D.O. 8.0 mg/L; Flow; pH 7.51; Cond. 1190 µS; Temp. 16.5°C; Other: ORP 54 mV; Turb. 1.54 ntu		(Water) Soil Organic Sludge Other:	250 CN	HNO3	2
1201181 (Sample B) / For Lab Use Only: AB70471	Date: 4/9/12 Time: 1314	Total + Dissolved Metals + Hardness (As, Ca, Cd, Cu, Pb, Mg, Zn)	(None) Cl2 UV Ozone Other:	D.O. 8.6 mg/L; Flow; pH 7.78; Cond. 734 µS; Temp. 17.4°C; Other: ORP 64 mV; Turb. 2.03 ntu		(Water) Soil Organic Sludge Other:	250 CN	HNO3	2
1201182 (Sample C) / For Lab Use Only: AB70472	Date: 4/9/12 Time: 1338	Total + Dissolved Metals + Hardness (As, Ca, Cd, Cu, Pb, Mg, Zn)	(None) Cl2 UV Ozone Other:	D.O. 7.4 mg/L; Flow; pH 7.60; Cond. 829 µS; Temp. 18.0°C; Other: ORP 32 mV; Turb. 4.83 ntu		(Water) Soil Organic Sludge Other:	250 CN	HNO3	2
1201183 (Sample D) / For Lab Use Only: AB70473	Date: 4/9/12 Time:	Total + Dissolved Metals + Hardness (As, Ca, Cd, Cu, Pb, Mg, Zn)	(None) Cl2 UV Ozone Other:	D.O.; Flow; pH; Cond.; Temp.; Other:		(Water) Soil Organic Sludge Other:	250 CN	HNO3	2

Relinquished By:	Received By: A. P. [illegible]	Date: 4-13-12	Time: 1041
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPAS	Job Code: NJ12 SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers	County: Jefferson	

Sample Comment (where and how the sample was collected): (Grab) Composite Modified Other:
Sample # 1201180, SW01 Collected at north side of 12th St Bridge

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, (Investigation), Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, (Surface Water), Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample B	LDPR: FEPAS	Job Code: NJ12 SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers	County: Jefferson	

Sample Comment (where and how the sample was collected): (Grab) Composite Modified Other:
Sample # 1201181, SW02 Collected at South side of 12th St. Bridge

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, (Investigation), Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, (Surface Water), Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample C	LDPR: FEPAS	Job Code: NJ12 SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers	County: Jefferson	

Sample Comment (where and how the sample was collected): (Grab) Composite Modified Other:
Sample # 1201182, SW03 Collected at South Side of Bailey Road Bridge

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, (Investigation), Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, (Surface Water), Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample D	LDPR: FEPAS	Job Code: NJ12 SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers	County: Jefferson	

Sample Comment (where and how the sample was collected): (Grab) Composite Modified Other:
Sample # 1201183
Blind Duplicate

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, (Investigation), Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, (Surface Water), Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Remarks: Temp 8.1°C

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
___ Tape sealed and initialed
___ Shipped
X Hand Delivered
Total No. Of Containers: 5
Carrier:
By:

Collector's Name: (Please Print) Sean Counihan

Affiliation: (circle one) KCRO NERO SERO SLRO SWRO WPP DGLS HWP ESP MoDOT MDC DHSS Other:

LAB USE ONLY!
Laboratory ID: 120413006
Location: B-13

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)		Matrix (circle one)	Container Type	Preservative Type	Number of Containers
1201184 (Sample A) / For Lab Use Only: AB70474	Date: 4/9/12 Time: 1654	Total Metals (Pb, As, Zn, Cu, Cd)	None, Cl_2, UV, Ozone, Other:	D.O.	~~8.3 mg/L~~	Water, Soil, Organic, Sludge, Other:	250 CN	HNO_3	1
				Flow					
				pH	~~7.88~~ SMC				
				Cond.	~~989 µs~~				
				Temp.	~~14.6°C~~				
				Other: ORP	~~0 mV~~				
				Turb.	~~1.21 ntu~~				
1201185 (Sample B) / For Lab Use Only: AB70475	Date: 4/9/12 Time: 1745	Total + Dissolved Metals + Hardness (As, Ca, Cd, Cu, Pb, Mg, Zn)	None, Cl_2, UV, Ozone, Other:	D.O.	8.3 mg/L	Water, Soil, Organic, Sludge, Other:	250 CN	HNO_3	2
				Flow					
				pH	7.88				
				Cond.	989 µs				
				Temp.	14.6°C				
				Other: ORP	0 mV				
				Turb.	1.21 ntu				
1201186 (Sample C) / For Lab Use Only: AB70476	Date: 4/10/12 Time: 1618	Total Metals (As, Cd, Cu, Pb, Zn)	None, Cl_2, UV, Ozone, Other:	D.O.		Water, Soil, Organic, Sludge, Other:	250 CN	HNO_3	1
				Flow					
				pH					
				Cond.					
				Temp.					
				Other:					
1201187 (Sample D) / For Lab Use Only: AB70477	Date: 4/11/12 Time: 1612	Total Metals (As, Cd, Cu, Pb, Zn)	None, Cl_2, UV, Ozone, Other:	D.O.		Water, Soil, Organic, Sludge, Other:	250 CN	HNO_3	1
				Flow					
				pH					
				Cond.					
				Temp.					
				Other:					

Relinquished By:	Received By:	Date:	Time:
[signature]	[signature]	4-13-12	1041
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A | LDPR: FEPAS | Job Code: NJ12SHAP | Sample Reference ID:

Facility ID: | Site/Study Name: Shapiro Brothers | County: Jefferson

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:
Sample # 1201184, Rinsate Blank

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample B | LDPR: FEPAS | Job Code: NJ12SHAP | Sample Reference ID:

Facility ID: | Site/Study Name: Shapiro Brothers | County: Jefferson

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:
Sample # 1201185, SW04 collected from Stream in Sunset Park

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample C | LDPR: FEPAS | Job Code: NJ12SHAP | Sample Reference ID:

Facility ID: | Site/Study Name: Shapiro Brothers | County: Jefferson

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:
Sample # 1201186, Rinsate Blank

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample D | LDPR: FEPAS | Job Code: NJ12SHAP | Sample Reference ID:

Facility ID: | Site/Study Name: Shapiro Brothers | County: Jefferson

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:
Sample # 1201187 Rinsate Blank

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Remarks: Temp 8.1°C

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
Tape sealed and initialed
Shipped
✓ Hand Delivered
Total No. Of Containers: 1
Carrier:
By:

Collector's Name: (Please Print) Sean Counihan

Affiliation: (circle one) KCRO NERO SERO SLRO SWRO WPP DGLS HWP (ESP) MoDOT MDC DHSS Other:

LAB USE ONLY!
Laboratory ID: 120413006
Location: B-13

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
201188 (Sample A) / For Lab Use Only: ABD478	Date: 4/12/12 Time: 1448	Total Metals (As, Cd, Cu, Pb, Zn)	(circle one) None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	(Water), Soil, Organic, Sludge, Other:	1L CN	HNO_3	1
(Sample B) / For Lab Use Only	Date: Time:		None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:			
(Sample C) / For Lab Use Only	Date: Time:		None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:			
(Sample D) / For Lab Use Only	Date: Time:		None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:			

Relinquished By:	Received By:	Date:	Time:
[signature]	[signature]	4-13-12	1041
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPA5	Job Code: NJ 12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers	County: Jefferson	

Sample Comment (where and how the sample was collected): (Grab) Composite Modified Other:
Sample # 1201188 Rinsate Blank

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	(Surface Water)
~~Investigation~~	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample B	LDPR:	Job Code:	Sample Reference ID:
Facility ID:	Site/Study Name:	County:	

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
Investigation	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample C	LDPR:	Job Code:	Sample Reference ID:
Facility ID:	Site/Study Name:	County:	

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
Investigation	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample D	LDPR:	Job Code:	Sample Reference ID:
Facility ID:	Site/Study Name:	County:	

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
Investigation	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Remarks: Temp 8.1 °C

DRAFT

B24

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
Tape sealed and initialed
Shipped
X Hand Delivered
Total No. Of Containers: 4
Carrier:
By: Michael Stroh

Collector's Name: Michael Stroh
(Please Print)

Affiliation: *(circle one)* KCRO MDC NERO DHSS SERO Other: SLRO SWRO WPP DGLS HWP ESP MoDOT

LAB USE ONLY!
Laboratory ID: 120608008
Location: B24

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
H100001 (Sample A)	Date: 4/10/2012	Lead, Cadmium, Arsenic, PAHs	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2plx bag	–	1
For Lab Use Only: AB76419	Time: 0840							
H1000002 (Sample B)	Date: 4/10/2012	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2plx bag	–	1
For Lab Use Only: AB76420	Time: 0955							
H1000003 (Sample C)	Date: 4/9/2012	Lead, Cadmium, Arsenic, Toxaphene	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2plx bag	–	1
For Lab Use Only: AB76421	Time: 1645							
H1000004 (Sample D)	Date: 4/9/2012	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2plx bag	–	1
For Lab Use Only: AB76422	Time: 1025							

Relinquished By: Michael Stroh	Received By: Brenda Mee	Date: 6-7-12	Time: 15:35
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 110
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU1

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample B	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 115
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU1, Replicate 3

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample C	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 103
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU1, Replicate 3

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample D	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 300
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
Background

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one)	EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Remarks: Please conduct lab duplicate analyses on samples H1000002 and H1000003

DRAFT

B24

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Tape sealed and initialed
Shipped
X Hand Delivered

Description of Delivery
Total No. Of Containers: 4
Carrier:
By: Michael Stroh

Collector's Name: Michael Stroh
(Please Print)

Affiliation: *(circle one)* KCRO MDC NERO DHSS SERO Other: SLRO SWRO WPP DGLS HWP ESP MoDOT

LAB USE ONLY:
Laboratory ID: 120608008
Location: B24

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
H100005 (Sample A) / For Lab Use Only: AB76423	Date: 4/9/2012 Time: 1730	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2pk bag	-	1
H1000006 (Sample B) / For Lab Use Only: AB76424	Date: 4/9/2012 Time: 1802	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2pk bag	-	1
H1000007 (Sample C) / For Lab Use Only: AB76425	Date: 4/10/2012 Time: 1608	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2pk bag	-	1
H1000008 (Sample D) / For Lab Use Only: AB76426	Date: 4/10/2012 Time: 1455	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2pk bag	-	1

Relinquished By: Michael Stroh	Received By:	Date: 6-7-12	Time: 1535
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 301
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	
Sample Comment (where and how the sample was collected): Background	Grab (Composite) Modified Other:		
GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one) EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample B	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 302
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	
Sample Comment (where and how the sample was collected): Background	Grab (Composite) Modified Other:		
GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one) EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample C	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 133
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	
Sample Comment (where and how the sample was collected): SU2	Grab (Composite) Modified Other:		
GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one) EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample D	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 146
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	
Sample Comment (where and how the sample was collected): SU1, Replicate 1	Grab (Composite) Modified Other:		
GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy (circle one) EPE (meters) PDOP

Sample Event Type: (circle one)
Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one)
Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

DRAFT

B24

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Description of Delivery
___ Tape sealed and initialed
___ Shipped
X Hand Delivered
Total No. Of Containers: 4
Carrier:
By: Michael Stroh

Collector's Name: Michael Stroh
(Please Print)

Affiliation: *(circle one)* KCRO MDC NERO DHSS SERO Other: SLRO SWRO WPP DGLS HWP ESP MoDOT

LAB USE ONLY!
Laboratory ID: 120608008
Location: B-24

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
H100009 (Sample A) / For Lab Use Only: AB76427	Date: 4/10/2012 / Time: 1120	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2 pla bag	-	1
H1000010 (Sample B) / For Lab Use Only: AB76428	Date: 4/12/2012 / Time: 1400	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2 pla bag	-	1
H1000011 (Sample C) / For Lab Use Only: AB76429	Date: 4/10/2012 / Time: 1240	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2 pla bag	-	1
H1000012 (Sample D) / For Lab Use Only: AB76430	Date: 4/11/2012 / Time: 1600	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2 pla bag	-	1

Relinquished By:	Received By:	Date:	Time:
Michael Stroh		6-7-12	15:35
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 105
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU2

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample B	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 160
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU1, Replicate 2

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample C	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 106
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU1

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Sample D	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 217
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU1

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one): Bypass/SSO, Complaint, Emergency Response, Inspection, Investigation, Monitoring, Special Project

Sample Type: (circle one): Air, Soil, Container, Spill, Discharge, Storm Water, Groundwater, Surface Water, Organic, Wipes, Sediment, Sludge, Drinking Water Supply

Remarks:

DRAFT

B24

MISSOURI DEPARTMENT OF NATURAL RESOURCES
FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Tape sealed and initialed
Shipped
X Hand Delivered

Description of Delivery
Total No. Of Containers: 2
Carrier:
By: Michael Stroh

Collector's Name: Michael Stroh
(Please Print)

Affiliation: *(circle one)* KCRO MDC NERO DHSS SERO Other: SLRO SWRO WPP DGLS HWP ESP MoDOT

LAB USE ONLY!
Laboratory ID: 120608008
Location: B-24

Sample Number	Sample Collected	Analyses Requested	Disinfect. Type (circle one)	Field Parameters (include units)	Matrix (circle one)	Container Type	Preservative Type	Number of Containers
H100013 (Sample A) / For Lab Use Only: AB76431	Date: 4/11/2012 Time: 1043	Lead, Cadmium, Arsenic	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2 pl. bag	–	1
H100014 (Sample B) / For Lab Use Only: AB76432	Date: 4/10/2012 Time: 0805	PCBs	None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:	2 pl. bag	–	1
(Sample C) / For Lab Use Only	Date: Time:		None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:			
(Sample D) / For Lab Use Only	Date: Time:		None, Cl_2, UV, Ozone, Other:	D.O., Flow, pH, Cond., Temp., Other:	Water, Soil, Organic, Sludge, Other:			

Relinquished By: Michael Stroh	Received By:	Date: 6-7-12	Time: 15:35
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

DRAFT

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

Sample A	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID: 119
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
SU1

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
Investigation	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample B	LDPR: FEPA5	Job Code: NJ12SHAP	Sample Reference ID:
Facility ID:	Site/Study Name: Shapiro Brothers Scrapyard	County: Jefferson	

Sample Comment (where and how the sample was collected): Grab (Composite) Modified Other:
Beneath Transformer Pad

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
Investigation	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample C	LDPR:	Job Code:	Sample Reference ID:
Facility ID:	Site/Study Name:	County:	

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
Investigation	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Sample D	LDPR:	Job Code:	Sample Reference ID:
Facility ID:	Site/Study Name:	County:	

Sample Comment (where and how the sample was collected): Grab Composite Modified Other:

GPS Coordinates (UTM Zone 15 NAD83 Only)	X Easting	Y Northing	Accuracy	(circle one) EPE (meters) PDOP

Sample Event Type: (circle one)	Sample Type: (circle one)	
Bypass/SSO	Air	Soil
Complaint	Container	Spill
Emergency Response	Discharge	Storm Water
Inspection	Groundwater	Surface Water
Investigation	Organic	Wipes
Monitoring	Sediment	
Special Project	Sludge	
	Drinking Water Supply	

Remarks:

DRAFT

120608008

A676419

Mace, Brenda

From: Stroh, Michael
Sent: Tuesday, June 12, 2012 8:53 AM
To: Mace, Brenda
Subject: RE: analyses requested
Attachments: Michael Stroh2.vcf

Brenda,
Please change the requested analysis for PAHs to BNAs on Sample Number H10001, Job code NJ12SHAP, LDPR FEPA5.
Thank you.

Michael Stroh
DEQ - HWP
Environmental Specialist III
DNR

5735229902 Work
Michael.Stroh@dnr.mo.gov
1730 East Elm Street
Jefferson City, MO 65101

From: Mace, Brenda
Sent: Monday, June 11, 2012 10:29 AM
To: Stroh, Michael
Subject: RE: analyses requested

DRAFT

An email stating the change will do.

From: Stroh, Michael
Sent: Monday, June 11, 2012 10:25 AM
To: Mace, Brenda
Subject: RE: analyses requested

Sorry, I was out on Friday. Do you still need this changed on the COC?

Michael Stroh
DEQ - HWP
Environmental Specialist III
DNR

5735229902 Work
Michael.Stroh@dnr.mo.gov
1730 East Elm Street
Jefferson City, MO 65101

From: Mace, Brenda
Sent: Thursday, June 07, 2012 3:52 PM
To: Stroh, Michael
Subject: analyses requested

Could you change the requested PAH to BNA?

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
ENVIRONMENTAL ANALYSIS

101 N. CHESTNUT
P.O. BOX 570
JEFFERSON CITY, MO 65102

DATE COLLECTED 4/10/12

Environmental lead analysis is used to follow up confirmed elevated lead levels of children. Samples will only be analyzed if submitted by a State or local Public Health official. **A SEPARATE FORM SHOULD BE COMPLETED FOR EACH SAMPLE.**

(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
1107 Vine St.

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Gorovitz

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Dr. P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☑ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location I.D. 114
Sample collected from Vinyl Siding on front of House (east)
under right shutter 1 ft^2 collected at 1015 hrs

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
ENVIRONMENTAL ANALYSIS

101 N. CHESTNUT
P.O. BOX 570
JEFFERSON CITY, MO 65102

DATE COLLECTED 4/10/12

Environmental lead analysis is used to follow up confirmed elevated lead levels of children. Samples will only be analyzed if submitted by a State or local Public Health official. **A SEPARATE FORM SHOULD BE COMPLETED FOR EACH SAMPLE.**

(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
1009 Vine St.

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Geraulte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive PO Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location ID 117
Sample collected from glass table top on front porch (east)
Collected at 1025 hrs 1ft2

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

MO 580-1325 (5-07)

LAB-18

DRAFT

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
ENVIRONMENTAL ANALYSIS

101 N. CHESTNUT
P.O. BOX 570
JEFFERSON CITY, MO 65102

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
1009 Vine St.

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathon Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Dr. P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location ID 117 Collected at 1030 Hrs.
Sample Collected from Vinyl Siding on front of house (east) to the left of porch under eave/soffet next to gutter downspout. 1ft2

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

MO 580-1325 (5-07)

LAB-16

DRAFT

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
119 N. 10th

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER

SAMPLE DESCRIPTION (LOCATION, ETC.)
LocationID 105 Green Vinyl Chair on front Porch (South)
Collected at 1115
1ft²

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

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JEFFERSON CITY, MO 65102

DATE COLLECTED 4/10/12

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
119 N. 10th

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location I D 105 vinyl siding on front of house (South) ~~left~~ Right side under far right window
Collected at 1120 1 ft²

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
1019 Vine St

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonatha Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location ID 110
Sample collected from front Porch Window Glass upper Pane
Collected at 1500 hrs 1 ft2

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

MO 580-1325 (5-07)

LAB-18

DRAFT

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STATE PUBLIC HEALTH LABORATORY
ENVIRONMENTAL ANALYSIS

101 N. CHESTNUT
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JEFFERSON CITY, MO 65102

DATE COLLECTED 4/10/12

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Field Blank @ 1107

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
ENVIRONMENTAL ANALYSIS

101 N. CHESTNUT
P.O. BOX 570
JEFFERSON CITY, MO 65102

DATE COLLECTED 4/11/12

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
1209 Kenner St.

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Loc. ID 216 Sample collected on Back of House (West) Vinyl Siding Between Back Windows
Collected at 1410 | ft²

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

MO 580-1325 (5-07)

LAB-18

DRAFT

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
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101 N. CHESTNUT
P.O. BOX 570
JEFFERSON CITY, MO 65102

DATE COLLECTED 4/11/12

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Field Blank 002

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

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STATE PUBLIC HEALTH LABORATORY
ENVIRONMENTAL ANALYSIS

101 N. CHESTNUT
P.O. BOX 570
JEFFERSON CITY, MO 65102

DATE COLLECTED 4/12/12

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)

623 Loth St

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR

Jonathan Gorette

ADDRESS (STREET, CITY, STATE, ZIP CODE)

930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)

Location ID 224 Sample collected from Right Side of House (east)
Vinyl Siding
Sample collected at 1000 hrs. 1 ft^2

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

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ENVIRONMENTAL ANALYSIS

101 N. CHESTNUT
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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
623 6th st

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location ID 1224
Sample collected from White Vinyl Chair on Back porch (North)
Sample collected at 1010 hrs. 1A2

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

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STATE PUBLIC HEALTH LABORATORY
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101 N. CHESTNUT
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JEFFERSON CITY, MO 65102

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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
721 Ridge Road

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location ID. 218
Sample Collected from Vinyl Siding on Back of House (East)
under Baywindow on Patio 1 ft² Sample Collected at 1520

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

MO 580-1325 (5-07)

LAB-18

DRAFT

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101 N. CHESTNUT
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JEFFERSON CITY, MO 65102

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PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
714 Delmar

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 520

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Loc. 179 collected from for left front Double Window
Right window Collected at 1445 hrs.
32" x 5" sill = 1.2 sq. ft

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

MO 580-1325 (5-07)

LAB-18

DRAFT

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101 N. CHESTNUT
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(THE FOLLOWING INFORMATION MUST BE SUPPLIED)

PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)
714 Delmar

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER _____

SAMPLE DESCRIPTION (LOCATION, ETC.)
Location ID 179
Sample collected from glass table (top) on Comfort (West)
Sample collected @ 1430 1ft²

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

MO 580-1325 (5-07)

LAB-18

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PATIENT NAME (LAST, FIRST, MIDDLE)

BIRTH DATE

PARENT'S NAME (LAST, FIRST, MIDDLE)

SAMPLE LOCATION ADDRESS (STREET, CITY, STATE, ZIP CODE)

PROPERTY OWNER NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

SEND REPORT TO (Please print clearly - This is your mailing address)

NAME OF LICENSED RISK ASSESSOR
Jonathan Garoutte

ADDRESS (STREET, CITY, STATE, ZIP CODE)
930 Wildwood Drive P.O. Box 570

SAMPLE TYPE

☐ SOIL ☐ PAINT ☒ DUST WIPE ☐ OTHER

SAMPLE DESCRIPTION (LOCATION, ETC.)
Field Blank 003
Sample collected at 1012 hrs.

LABORATORY REPORT

ANALYZED

REC	BY	REPT	BY	LOG NO

DRAFT

APPENDIX D

Field Notes

Shapiro Brothers Salvage Yard Site

Festus, Jefferson County, MO

DRAFT

Shapiro Brothers Scrapyard
FEPAS NJ12SHAP
Sampling team Arrive onsite at
1000 Weather Sunny around 50 4/9/12
Background location 1
West City Park, Festus.
1/4 Acre plot 30 Increments 5 rows of 6
Loc. ID 300 Collected @ 1025
Water Quality instruments
- ex tech pH - conductivity EC0466
pH - 7 Reads 6.90
pH - 4 Reads 4.02
Cond - 1413 reads 1469

- Hanna ORP 003

ORP @ 200 reads 215

- Surface Water & Sediment Samples

- SW01
- SD01 Collected at 12th st Bridge
north side

DRAFT

Sample collected @ 1745
Sample # 1201185

4/10/12 Shapiro Brothers

Collected Dust wipe Sample at

Loc. ID 114 collected at 1015
~~collected fr~~
Dust wipe of Vinal siding front of House (east) ~~154~~ 1 ft² under right Shutter

Dust wipe samples collected (2)
~~Loc ID 117~~

one collected from glass table (top) on front porch (east) @ 1025

second collected from Vinal siding front of House (east) Left side of porch under eave / soffett next to gutter downspout @ 1030

Field Blank Wipe Sample
001 collected at 1107

location ID 105
Dust wipe Sample collected
① from gray vinal dick chair on front porch (south) collected at 1115

② Dust wipe Sample collected ~~at~~ (sync) from Vinal siding front of House (south) porch under far right window. Collected at 1120

Rinsate Blank Loc # 127
FD# 1201186
Time: 1618

Dust Wipe Sample collected at

loc. ID 110
[redacted] 11th St Vine
[redacted] collected at 1500 front porch (east) upper glass window pane of Left Porch window
New porch light

DRAFT

Temp = 16.5°C
Cond 1190µs
ORP 54mV
pH = 7.51
DO = 8.0mg/L
Turb = 1.54ntu
Sample Collected at 1238
Sample # 1201180
Blind Duplicate collected
Sample # 1201183
SW + SD Ø2
Collected at South side of 6th St. Bridge

Temp = 17.4°C
Cond = 734µs
ORP = 64mV
pH = 7.78
DO = 8.6mg/L
Turb = 2.03ntu
Sample collected at 1314
Sample # 1201181

SW + SD Ø3
Collected from Bailey Road intersection/Bridge South side

Temp = 18.0°C
Cond = 829µs
pH = 7.66
ORP 30mV
DO = 7.4mg/L
Turb = 4.83ntu
Sample collected ~~from Bailey Bridge~~ at 1338
Sample # 1201182

Day 1 Rinsate Blank collected
Rinsate collected from cutting tool of [redacted]emental sampler
[redacted]ample collected at 1454
Sample # 1201184

Background Stream SW + SD at Sunset Park
SW + SD Ø4

Temp = 14.6°C ORP = 0mV
Cond = 989µs DO = 8.5mg/L
pH = [illegible]

DRAFT

Shapiro Brothers
4/11/12

Dust wipe Sample collected
at Loc. ID 216
Collected from Back of House (west)
Vinal siding Between windows

Rinsate Blank collected
after SW2 of Loc. ID 217
Sample # 1201187
Collected at 1612

Field Blank Dust Wipe Sample
Collected @ 1615

4/12/12

Dust wipe Sample collected at
location ID 224
① Sample collected from Right side
of House (east) Vinal Siding
Collected at 1000
② sample collected from white vinal chair
on Back porch (North) Collected at 1010

Dust Wipe Field Blank
Collected at 1012

Dust wipe Sample collected
① from location ID 179
Sample collected from glass table top
on Carport (west) collected at 1430

② Sample collected from for left exterior (west)
Window sill - is double window will wipe
from Right Window
32" x 5" sill 1.2 sq ft
Sample collected at 1445

Rinsate Blank collected
after Loc. 179
Sample # 1201188
Collected at 1448

Dust wipe Sample collected from
Location ID 218
Back of House (east) Vinal siding under
Bay Window on Patio.
collected at 1520

DRAFT

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result
5-10-12	5434	1	201	Calib.	—	
		2		5861	54	
		3		BLANK	-3	
		4		4315	256	
		5		408	498	
		6		2710	5140	
		7		2710	1263	
		8		Loc 120 SU1/Rep1	895	
		9		" " " "	861	
		10		" " " "	916	
		11		" " " /Rep2	962	
		12		" " "	935	
		13		" " "	940	
		14		" " /Rep3	782	
		15		" " "	824	
		16		" " "	812	
		17		" SU2/Rep1	239	
		18		" "	208	
		19		" "	231	
		20		" " /Rep2	237	
		21		" " "	242	
		22		" " "	253	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result
5-10-12	5434	23		Loc 120 SU2/Rep3	251	
		24		" "	268	
		25		" "	256	
		26		Loc 175 SU1	140	
		27		"	153	
		28		"	144	
		29		" SU2	136	
		30		" "	130	
		31		" "	136	
		32		BLANK	-2	
		33		5861	61	
		34		4315	287	
		35		408	505	
		36		2710	1227	
		37		2710	5126	
				END		

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5-11-12	5434	1	196	STANDARDIZE	—	
		2		5861	52	
		3		4315	253	
		4		2711	1196	
		5		4315	279	
		6		BLANK	2	
		7		2710	5764	
		8		LOC 159 SU1	484	
		9		" "	490	
		10		" "	487	
		11		SU2	178	
		12		" "	179	
		13		" "	185	
		14		LOC 215 SU1	348	
		15		" "	362	
		16		" "	339	
		17		" " SU2	217	
		18		" "	221	
		19		" "	211	
		20		LOC 221	248	
		21		"	252	
		22		"	259	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/11/12	5434	23		LOC 221 SU2 REP1	123	
		24		" "	121	
		25		" "	126	
		26		LOC 221 SU2 REP2	130	
		27		" "	124	
		28		" "	114	
		29		LOC 221 SU2 REP3	174	
		30		" "	187	
		31		" "	161	
		32		LOC 221 SU2 REP3 (PC)	176	
		33		(PC) - PRECISION CHECK	173	
		34		PC	182	
		35		PC	170	
		36		PC	175	
		37		PC	167	
		38		PC	171	
		39		LOC 180 SU2 e1200	102	
		40		" "	100	
		41		" "	109	
		42		LOC 179 SU2	165	
		43		" "	168	
		44		" "	170	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/11/12	5434	45		Loc 218 SU2	181	
		46		" "	171	
		47		" "	173	
		48		Loc 222 SU2	89	
		49		" "	93	
		50		" "	98	
		51		BLANK	-2	
		52		2710	5700	
		53		4315	279	
		54		2711	1181	
		55		5861	52	
		56		Loc 157 SU2	99	
		57		" "	99	
		58		" "	93	
		59		Loc 158 SU2	163	
		60		" "	167	
		61		" "	146	
		62		Loc 161 SU2	78	
		63		" "	86	
		64		" "	94	
		65		Loc 164 SU2	115	
		66		"	119	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/11/12	5434	67		Loc 164 SU2	121	
		68		Loc 224 SU2	128	
		69		" "	151	
		70		" "	141	
		71		City Street Sweepings	182	
		72		" "	182	
		73		" "	190	
		74		2711	1175	
		75		2710	5830	
		76		4315	271	
		77		5861	42	
		78		408	517	
		79		BLANK	-1	
				END		

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5434	1	199	STANDARDIZE		
		2		BLANK	-1	
		3		5861	50	
		4		4315	261	
		5		2711	1176	
		6		2710	5790	
		7		408	484	
		8		LOC 217 SU1	385	
		9		" "	390	
		10		" "	406	
	MEAN AND 95% UCL @ ≈400 PPM					*
	RETESTING PER SOP					
		11		LOC 217 SU1 RUN 2	392	
		12		" "	390	
		13		LOC 217 SU1 RUN 2	367	
	MEAN AND 95% UCL @ ≈400 PPM					*
	RETEST PER SOP					
		14		LOC 217 SU1 RUN 3	379	
		15		" "	367	
		16			386	
		17		LOC 217 SU2	264	
		18		" "	271	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5434	19		LOC 217 SU2	257	
		20		LOC 123 SU2	221	
		21		" "	230	
		22		" "	225	
		23		VINE TELEPHONE POLE	1134	
		24		" "	1165	
		25		" "	1232	
	MEAN AND 95% UCL ≈1200 PPM					*
	RETEST PER SOP					
		26		VINE TELEPHONE POLE TEST 2	~~1232~~ PM 1127	
		27		" "	~~1127~~ PM 1164	
		28		" "	~~1164~~ PM 1203	
		29		" "	1180	
		30		" "	1187	
		31		" "	1188	
		32		" "	1221	
		33		LOC 133 SU2	214	
		34		" "	206	
		35		" "	216	
		36		LOC 133 SU1	218	
		37		" "	185	
		38		" "	202	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5434	39		LOC 134 SU2	138	
	5434	40		" "	142	
		41		" "	143	
		42		LOC 134 SU1	161	
		43		" "	140	
		44		" "	145	
		45		4315	263	
		46		2710	5934	
		47	197	STANDARDIZE		
		48		2711	1225	
		49		5861	47	
		50		LOC 111 SU1	1677	
		51		" "	1708	
		52		" "	1678	
		53		PRECISION CHECK (SOIL)	1716	
		54		PC	1649	
		55		PC	1699	
		56		PC	1708	
		57		PC	1704	
		58		PC	1744	
		59		PC	1719	
		60		LOC 117 SU2	302	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5434	61		LOC 117 SU2	303	
		62		" "	305	
		63		LOC 110 SU1	1571	
		64		" "	1600	
		65		" "	1557	
		66		LOC 110 SU2	476	
		67		" "	479	
		68		" "	463	
		69		LOC 154 Y1 Rep1	190	
		70		" "	154	
		71		" "	154	
		72		LOC 154 Y1 Rep2	176	
		73		" "	180	
		74		" "	182	
		75		LOC 154 Y1 Rep3	182	
		76		" "	187	
		77		" "	173	
		78		LOC 154 Y2 Rep1	292	
		79		" "	282	
		80		" "	272	
		81		LOC 154 Y2 Rep2	232	
		82		" "	234	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5434	83		LOC 154 Y2 Rep2	237	
		84		LOC 154 Y2 Rep3	417	
		85		" "	408	
		86		" "	391	
		87		LOC 154 Y3 Rep1	344	
		88		" "	330	
		89		" "	343	
		90		LOC 154 Y3 Rep2	361	
		91		" "	362	
		92		" "	356	
		93		LOC 154 Y3 Rep3	312	
		94		" "	314	
		95		" "	321	
		96		LOC 154 SU1 Rep1	201	
		97		" "	225	
		98		" "	197	
		99		LOC 154 SU1 Rep2	225	
		100		" "	233	
		101		" "	241	
		102		LOC 154 SU1 Rep3	229	
		103		" "	211	
		104		" "	208	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5434	105		LOC 154 SU2 Rep1	255	
		106		" "	257	
		107		" "	243	
		108		LOC 154 SU2 Rep2	281	
		109		" "	295	
		110		" "	288	
		111		LOC 154 SU2 Rep3	281	
		112		" "	295	
		113		" "	282	
		114		2710	5813	
		115		2711	1198	
		116		4315	272	
		117		408	508	
		118		5861	54	
		119		BLANK	1	
				END		

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result Sr	
5/22/12	5434	1	198	Standardization	/	/	
		2		SRM 4315	254	ND	ok
		3		SRM 5861	63	551	Pb too high
		4		SRM 5861	52	651	ok.
		5		SRM 2586	442		ok
		6		SRM NIST 2711	1177		ok
		7		SRM NIST 2710*	5888		too high
		8		"	5808		too high
		9		" (different cup from 1st 2 runs)	5856		too high
		10	199	Standardization			
		11		SRM 5861	51		ok
		12		SRM 4315	281		too high
		13		"	282		too high
		14		" (different from 1st 2 runs.)	253		ok.
		15		SRM 2586	431		ok
		16		SRM NIST 2711	1195		ok.
		17		SRM NIST 2710*	5772		too high
		18		"	5855		too high
		19		" (different cup from 1st 2 runs)	5962		too high
		note*		SRM NIST 2710 reading too high.			
		20		Blank	ND		
		21		LOC ID. 105 SU1	1145		

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result	
5/22/12	5434	22		LOC ID 105 SU1	1102		
		23		↓	1058		
		24		LOC ID 105 SU2	405		
		25		↓	408		
		26		↓	399		
		27		QC1	407		
		28			410		entered on spreadsheet at end of day.
		29			395		
		30			389		
		31			430		
		32			418		
		33		↓ ↓	380		
		34		LOC. ID 105 SU3	1512		
		35		↓	1595		
		36		↓	1498		
		37		LOC ID. 105 SU2 cont.	419		
		38		↓	385		
		39		↓	408		
		40			416		
		41			396		
		42			396		
		43			402		

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/22/12	5434	44		LOC ID 148 SU1	184	
		45		↓	193	
		46		↓	193	
		47		LOC ID. 148 SU2	130	
		48		↓	139	
		49		↓	130	
		50		Loc ID. 129 SU1	177	
		51		↓	172	
		52		↓	180	
		53		Loc ID 129 SU2	161	
		54		↓	169	
		55		↓	165	
		56		Loc ID 176 SU2	257	
		57		↓	244	
		58		↓	251	
		59		Loc ID 106 SU2	210	
		60		↓	212	
		61		↓	195	
		62		Loc ID 155 SU1	269	
		63		↓	250	
		64		↓	263	
		65		loc ID 155 SU2	cancelled for wrong entry.	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/22/12	5434	66		Loc ID 155 SU2	189	
		67		↓	212	
		68		↓	208	
		69		Loc ID 135 SU1	282	
		70		↓	288	
		71		↓	307	
		72		Loc ID 135 SU2	135	
		73		↓	132	
		74		↓	128	
		75		~~standardize~~	126	
		76	197	standardize		
		77		SRM 5861	53	
		78		SRM 4315	236	
		79		SRM 2586	421	
		80		SRM NIST 2711	1227	too high.
		81		"	1197	ok.
		82		SRM NIST 2710*	5900	too high.
		83		"	5884	too high.
		84		BLANK	ND	
		85		Loc ID 116 Y1 Rep1	318	
		86		↓	338	
		87		↓	329	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
5/22/12	5434	88		Loc ID 116 Y1 Rep 2	293	
		89		↓	297	
		90		↓	265	
		91		Loc ID 116 Y1 Rep 3	328	
		92		↓	335	
		93		↓	324	
		94		Loc ID 116 Y2 Rep 1	227	
		95		↓	243	
		96		↓	242	
fix*		97		Loc ID 116 Y2 ~~Rep 2~~ Rep 1	229	
		98		Loc ID 116 Y2 Rep 2	173	
		99		↓	184	
		100		↓	175	
		101		Loc ID 116 Y2 Rep 3	210	
		102		↓	218	
		103		↓	202	
		104		Loc ID 146 SU1 Rep 1	390	
		105		↓	397	
		106		↓	398	
		107		↓	391	
		108		↓	412	
		109		↓	382	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
5/22/12	5434	110		Loc ID 146 SU1 Rep 1	399	
		111		↓	412	entered on spreadsheet at end of day
		112		↓	392	
		113		↓	407	
		114		QC1	395	
		115		↓	399	
		116		↓	427	
		117		Loc ID 146 SU1 Rep 2	380	
		118		↓	399	
		119		↓	380	
		120		Loc ID 146 SU1 Rep 3	386	
		121		↓	387	
		122		↓	390	
		123		Loc ID 146 Y1 Rep 1	369	
		124		↓	347	
		125		↓	352	
		126		Loc ID 146 Y1 Rep 2	300	
		127		↓	286	
		128		↓	296	
		129		Loc ID 146 Y1 Rep 3	305	
		130		↓	289	
		131		↓	289	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/22/12	5434	132		LOC ID 146 Y2 Rep1	442	
		133		↓	424	
		134		↓	442	
		135		LOC ID 146 Y2 Rep2	401	
		136		↓	409	
		137		↓	400	
		138		↓	391	
		139		↓	376	
		140		↓	411	
		141		↓	428	
		142		↓	437	
		143		↓	406	
		144		LOC ID 146 Y2 Rep3	423	
		145		↓	418	
		146		↓	404	
		147		LOC ID 146 SU2 Rep1	575	
		148		↓	588	
		149		↓	571	
		150		loc. ID 146 SU2 Rep2	480	
		151		↓	478	
		152		↓	478	
		153		LOC ID 146 SU2 Rep3	568	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/22/12	5434	154		LOC ID 146 SU2 Rep3	557	
		155		↓	565	
		156		SRM 5861	54	
		157		SRM 2586	434	
		158		SRM 4315	228	
		159		SRM NIST 2711 *	1203	~~too high~~ okay on.
		160		↓	1225	too high ✓
		161		SRM NIST 2710 *	5976	too high.
		162		↓	5747	too high
		163		BLANK	ND	
						C.No
5/23/12	5434	1	197			
		2		SRM 5861	62	too high.
		3		"	57	✓
		4		SRM 4315	231	
		5		SRM 2586	419	
		6		SRM NIST 2711	1192	
		7		SRM NIST 2710	5782	too high
		8		SRM NIST "	5663	✓ okay.
		9		Blank	ND	
		10		LOC ID 103 Y1 Rep1	465	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/23/12	5434	11		Loc ID 103 Y1 Rep1	438	
		12		11	452	
		13		Loc ID 103 Y1 Rep2	299	
		14			295	
		15			300	
		16		Loc ID 103 Y1 Rep3	334	
		17			343	
		18			332	
		19		Loc ID 125 SU1 Rep1	1205	
		20			1264	
		21			1229	
		22		Loc ID 125 SU1 Rep2	1196	
		23			1214	
		24			1166	
		25		Loc ID 125 SU1 Rep2	1199	
		26			1157	
		27			1138	
		28		Loc ID 125 SU1 Rep3	1093	
		29			1131	
		30			1192	
		31		Loc ID 125 SU2 Rep1	314	
		32			333	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/23/12	5434	33		Loc ID 125 SU2 Rep1	318	
		34		Loc ID 125 SU2 Rep2	328	
		35			312	
		36			308	
		37		Loc ID 125 SU2 Rep3	312	
		38			330	
		39			325	
		40		Loc ID 125 Y1 Rep1	620	
		41			659	
		42			587	
		43		Loc ID 125 Y1 Rep2	382	
		44			368	
		45			373	
		46		Loc ID 125 Y1 Rep3	875	
		47			855	
		48			~~875~~	857 cn
		49		Loc ID 125 Y2 Rep1	201	
		50			193	
		51			174	
		52		Loc ID 125 Y2 Rep2	221	
		53			212	
		54			210	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result
5/23/12	5434	55		Loc ID 125 Y2 Rep 3	244	
		56		↓	247	
		57		↓	259	
		58		Loc ID 125 Y3 Rep 1	290	
		59		↓	326	
		60		↓	316	
		61		Loc ID 125 Y3 Rep 2	271	
		62		↓	270	
		63		↓	267	
		64		Loc ID 125 Y3 Rep 3	324	
		65		↓	315	
		66		↓	325	
		67		Loc ID 115 SU1 Rep 1	2093	
		68		↓	2268	
		69		↓	2057	
		70		QC1	2001	
		71		↓	1999	
		72		↓	2090	
		73		↓	2088	
		74		↓	2068	
		75		↓	2050	
		76		↓	2006	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result
5/23/12	5434	77		Loc ID 115 SU1 Rep 2	2105	
		78		↓	2018	
		79		↓	2045	
		80		Loc ID 115 SU1 Rep 3	~~2186~~ c.n 2073	
		81		↓	2186	
		82		↓	2195	
		83		Loc ID 115 SU2 Rep 1	478	
		84		↓	497	
		85		↓	488	
		86		Loc ID 115, SU2 Rep 2	463	
		87		↓	466	
		88		↓	481	
		89		Loc ID 115, SU2 Rep 3	506	
		90		↓	491	
		91		↓	523	
		92		SRM 4315	258	
		93		SRM 2586	434	
		94		SRM 2711	1178	
		95		Blank.	ND	
		96		Loc ID 143 SU1	270	
		97		↓	261	
		98		↓	274	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
5/23/12	5434 ~~9ch.~~	99		Loc ID 143 SU2	435	
		100		↓	462	
		101		↓	438	
		102		Loc ID 143 SU3	364	
		103		↓	356	
		104		↓	357.	
		105		Loc ID 106 SU1	531	
		106		↓	597	
		107.		↓	554	
		108		Loc ID 108 SU2	230	
		109		↓	235	
		110		↓	226	
		111		Loc ID 109 SU2	298	
		112		↓	281	
		113		↓	285	
		114		Loc ID 111 SU2	166	
		115		↓	176	
		116		↓	165	
		117		Loc ID 216 SU2	440	
		118		↓	457	
		119		↓	431	
		120		Loc ID 133 Y1	159	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
5/23/12	5434	121		Loc ID 133 Y1	148	
		122		↓	150	
		123		Loc ID 133 Y2	296	
		124		↓	294	
		125		↓	298	
		126		Loc ID 133 Y3	166	
		127		↓	155	
		128		↓	196	
		129		Loc ID 116 SU1 Rep 1	2002	
		130		↓	1958	
		131		↓	1910	
		132		Loc ID 116 SU1 Rep 2	1874	
		133		Standardize.	197	machine instruction.
		134		SRM 5861	48	
		135		SRM 4315	260	
		136		SRM 2586	420	
		137		NIST 2711	1231	too high.
		138		"	1217	ok.
		139		NIST 2710	5471	
		140		Blank	ND	
		141		Loc ID 116 SU1 Rep 2	1821	
		142		↓	1734	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
5/23/12	5434	143		Loc ID 116 SU1 Rep 2	1847	
		144		Loc ID 116 SU1 Rep 3	1982	
		145		↓	1991	
		146		↓	1937	
		147		Loc ID 116 SU2 Rep 1	~~236~~ c.n. 239	
		148		↓	~~239~~ c.n. 236	
		149		↓	~~239~~ c.n. 239	
		150		Loc ID 116 SU2 ~~Rep 2~~ ?.1	~~239~~ c.n. 231	
		151		Loc. ID 116 SU2 Rep 2	239	
		152		↓	239	
		153		↓	240	
		154		Loc ID 116 SU2 Rep 3	238	
		155		↓	212	
		156		↓	217	
		157		Loc ID 124 Y1 Rep 1	228	
		158		↓	217	
		159		↓	224	
		160		Loc ID 124 Y1 Rep 2	195	
		161		↓	181	
		162		↓	192	
		163		Loc ID 124 Y1 Rep 3	225	
		164		↓	220	

5/23/12

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
~~165~~	5434	165		Loc ID 124 Y1 Rep 3	229	
		166		Loc ID 124 Y2 Rep 1	275	
		167		↓	268	
		168		↓	258	
		169		Loc ID 124 Y2 Rep 2	331	
		170		↓	319	
		171		↓	320	
		172		QC1	304	
		173		↓	327	
		174		↓	333	
		175		↓	318	
		176		↓	336	
		177		↓	318	
		178		↓	327	
		179		Loc ID 124 Y2 Rep 3	235	
		180		↓	279	
		181		↓	268	
		182		↓	261	
		183		Loc ID 124 P1 Rep 1	415	
		184		↓	415	
		185		↓	437	
		186		Loc ID 124 P1 Rep 2	396	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
5/23/12	5434	187		Loc ID 124 P1 Rep 2	388	
		188		↓	439	
		189			422	
		190			415	
		191			407	
		192			404	
		193			431	
		194			433	
		195			425	
		196		Loc ID 124 P1 Rep 3	488	
		197			485	
		198			503	
		199		QCL	470	
		200			475	
		201			476	
		202			499	
		203			482	
		204			502	
		205			475	
		206		Loc ID 124 SU2 Rep 1	252	
		207			241	
		208		↓	249	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ____
5/23/12	5434	209		Loc ID 124 SU2 Rep 2	233	
		210			246	
		211		↓	249	
		212		Loc ID 124 SU2 Rep 3	264	
		213			286	
		214		↓	305	
		215		Loc ID 124 SU4 Rep 1	474	
		216			482	
		217		↓	475	
		218		Loc ID 124 SU4 Rep 2	428	
		219			428	
		220		↓	431	
		221		Loc ID 124 SU4 Rep 3	378	
		222			385	
		223		↓	409	
		224		SRM 1886	407	
		225			396	
		226		↓	388	
		227			399	
		228			387	
		229		↓	382	
		230		SRM 5861	51	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/23/12	5434	231		SRM 4315	247	
		232		SRM 2586	440	
		233		SRM 2711	1185	
		234		SRM 2710	5926	too high.
		235		Blank.	ND	
						C.M.
5/24/12	5434		197	Standarized		
		2		5861	61	Pass
		3		4315	238	
		4		~~28~~ 2586	446	
		5		2711	1194	
		6		2710	5818	
		7		Blank	ND	
		8		SD-01	1340	
		9		↓	1499	
		10			1480	
		11		SD-02	454	
		12			362	
		13			460	
		14			422	
		15			406	
		16			382	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5/24	5434	17		SD-03	549	
		18			592	
		19			476	
		20			518	
		21			553	
		22			488	
		23		SD-04	339	
		24			297	
		25			279	
		26		SD-Dup	1466	
		27		"	1452	
		28		" QCI 1	1431	
		29		QCI 2	1459	
		30		" 3	1416	
		31		" 4	1446	
		32		" 5	1414	
		33		" 6	1460	
		34		" 7	1491	
		35		2711	1212	
		36		5861	61	
		37		2710	5723	
		38		2586	430	
		39		4315	249	
		40		Blank	ND	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5-10-12	5444	1-2	206	calib	—	
		3		BLANK	-4	
		4		5861	55	
		5		4315	235	
		6		408	463	(Low)
		7		408	442	(Low)
		8		408	508	
		9		2711	1155	
		10		2710	5692	
		11		Loc 119 SU2	174	
		12		" "	170	
		13		" "	169	
		14		" SU1	408	
		15		" "	403	
		16		" "	406	
		17		Loc 160 SU1/Rep1	645	
		18		" " " /11	634	
		19		" " "	637	
		20		" " Rep2	770	
		21		" "	731	
		22		" " "	661	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result Pb	Result ___
5-10-12	5444	23		Loc 160 SU1/Rep.3	689	
		24		" " "	614	
		25		" " "	680	
		26		SU2/Rep1	244	
		27		" "	258	
		28		" "	270	
		29		" Rep2	258	
		30		" "	265	
		31		" "	259	
		32		" Rep3	281	
		33		" "	279	
		34		" "	277	
		35		" Y1/Rep1	431	
		36		" "	426	
		37		" "	440	
		38		" /Rep2	373	
		39		" "	360	
		40		" "	352	
		41		" Rep3	432	
		42		" "	399	
		43		" "	414	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5-10-12	5444	44		Loc 160. Y2/Rep1	213	
		45		" "	217	
		46		" "	217	
		47		" " Rep2	226	
		48		" "	220	
		49		" "	209	
		50		" Rep3	509	
		51		" "	499	
		52		" "	540	
		53		BLANK	-1	
		54		5861	48	
		55		4315	236	
		56		408	497	
		57		2711	1165	
		58		2710	5822 HIGH	
		59		2710	5825	
				END		

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5-11-12	5444	1	206	STANDARDIZE	—	
		2		5861	46	
		3		4315	265	
		4		4315	—	
		5		4315	224	
		6		4315	—	
		7		BLANK	-3	
		8		BLANK	—	
→		CORRECTED LEAD SETTING				
		9		2710	5564	
		10		408	452	
		11		2711	1151	
		12		LOC 163 Y1 Rep1	111	
		13		" "	104	
		14		" "	119	
		15		LOC 163 Y1 REP2	118	
		16		" "	129	
		17		" "	130	
		18		LOC 163 Y1 REP3	~~136~~ PA	136
		19		" "	138	
		20		" "	~~16~~ PA	136
		21		LOC 163 Y2 REP1	91	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/11/2012	5444	22		163 Y2 REP 1	105	
		23		" "	97	
		24		Loc 163 Y2 REP 2	110	
		25		" "	103	
		26		" "	104	
		27		Loc 163 Y2 REP 3	139	
		28		" "	133	
		29		" "	132	
		30		Loc 163 SU1 e845	73	
		31		" "	74	
		32		" "	73	
		33		Loc 163 SU1 REP 2	87	
		34		" "	91	
		35		" "	91	
		36		Loc 163 SU1 REP 3	84	
		37		" "	84	
		38		" "	91	
		39		PC Loc 163 SU1 REP 3	91	
		40		PC	91	
		41		PC	94	
		42		PC	84	
		43		PC	75	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/11/12	5444	44		PC	85	
		45		PC	91	
		46		PC	78	
		47		4315	234	
		48		2711	1128	
		49		408	467	
		50		2710	5682	
		51		5861	48	
		52		BLANK	1	
		53		Loc 163 SU2 REP 1	136	
		54		" "	~~126~~*	129
		55		" "	130	
		56		Loc 163 SU2 REP 2	140	
		57		" "	136	
		58		" "	129	
		59		Loc 163 SU2 REP 3	126	
		60		" "	131	
		61		" "	124	
		62		2710	5632	
		63		2711	1188	
		64		408	503	
		65		4315	234	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/11/12	5444	66		5861	48	
↓	↓	67		BLANK	3	
		-		END		
5/21/12	5444	1	206	STANDARDIZE		
		2		BLANK	4	
		3		408	496	
		4		5861	42	>-2 SD
		5		4315	220	>-2SD
		6	206	RESTANDARDIZE		
		7		5861	45	>-2SD
		8		4315	224	>-2SD
	RESET		SOFTWARE AND XRF UNIT			
		9	206	STANDARDIZE		
		10		BLANK	4	
		11		408	493	
		12		5861	51	
		13		4315	252	
✓	✓	14		2711	1149	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5444	15		2710	5573	
		16		2710	5652	
		17		2710	5693	
		18		Loc 174 SU 3	1007	
		19		" "	936	
		20		" "	913	
		21		Loc 174 SU2	301	
		22		" "	309	
		23		" "	304	
		24		Loc 174 SU1	~~324~~ PA	324
		25		" "	361	
		26		" "	358	
		27		Loc 301 SUNSET PARK	84	
		28		" "	90	
		29		" "	94	
		30		Loc 302 BELLY PORTER	54	
		31		" "	48	
		32		" "	47	
		33		Loc 176 SU4	283	
		34		" "	296	
		35		" "	322	
✓	✓	36		103 SU 2 RPL3	365	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	544	37		103 SU2 RPL3	362	
		38		" "	355	
		39		Loc 300 WEST CITY	36	
		40		" "	40	
		41		" "	51	
		42		4315	237	
		43		2711	1199	
		44	209	STANDARDIZE		
		45		2710	5746	
		46		408	488	
		47		Loc 105 Y2 Rep3	695	
		48		" "	682	
		49		" "	744	
		50		PRECISION CHECK (SOP)	700	
		51		PC	697	
		52		PC	671	
		53		PC	694	
		54		PC	717	
		55		PC	687	
		56		PC	712	
		57		Loc 105 Y1 Rep2	624	
		58		" "	560	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
		59		Loc 105 Y1 Rep2	560	
		60		Loc 105 Y1 Rep3	504	
		61		" "	519	
		62		" "	529	
		63		Loc 105 Y1 Rep1	563	
		64		" "	570	
		65		" "	551	
		66		Loc 105 Y2 Rep1	524	
		67		" "	521	
		68		" "	519	
		69		Loc 105 Y2 Rep2	650	
		70		" "	692	
		71		" "	690	
		72		Loc 139 SU1	222	
		73		" "	221	
		74		" "	244	
		75		Loc 139 SU2	176	
		76		" "	151	
		77		" "	152	
		78		Loc 139 SU3	393	
		79		" "	408	
		80		" "	381	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5444	MEAN	AND	95% UCL ≈ 400 PPM		*
		RETEST	PER	SOP		
	~~81~~	81		LOC 139 SU3	384	
	~~82~~	82		" "	393	
	~~83~~	83		" "	432	
		84		" "	417	
		85		" "	396	
		86		" "	422	
		87		" "	412	
		88		LOC 127 SU1	687	
		89		" "	664	
		90		" "	681	
		91		LOC 127 SU2	209	
		92		" "	212	
		93		" "	193	
		94		LOC 103 SU1 Rep1	1153	
		95		" "	1125	
		96		" "	1131	
		97		LOC 103 SU1 Rep2	1168	
		98			1172	
		99			1200	
		MEAN AND 95% UCL ≈ 1200 Retest PER SOP				*

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5444	100		LOC 103 SU1 Rep2	1181	
		101		" "	1174	
		102		" "	1216	
		103		" "	1216	
		104		" "	1220	
		105		" "	1202	
		106		" "	1202	
		107		" "	1215	
		108		LOC 103 SU1 Rep3	1043	
		109		" "	1035	
		110		" "	1126	
		111		LOC 103 SU2 Rep1	333	
		112		" "	357	
		113		" "	333	
		114		LOC 103 SU2 Rep2	330	
		115		" "	339	
		116		" "	325	
		117		LOC 103 SU3	495	
		118		" "	487	
		119		" "	523	
		120		LOC 103 Y2 Rep1	692	
		121		" "	719	

* Only record resolution each time unit is calibrated.

XRF SAMPLE LOG

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5444	122		LOC 103 Y2 Rep1	682	
		123		LOC 103 Y2 Rep2	400	
		124		" "	378	
		125		" "	390	
		MEAN and UCL 95% ≈ 400			~~397~~ PA	
		Retest Per SOP			~~397~~ PA	*
		126		LOC 103 Y2 Rep2	397	
		127		" "	399	
		128		" "	447	
		129		" "	374	
		130		" "	408	
		131		" "	379	
		132		" "	382	
		133		" "	395	
		134		LOC 103 Y2 Rep3	582	
		135		" "	613	
		~~16~~ PA		" "	~~601~~ PA	
		136		" "	601	
		137		2710	5725	
		138		2711	1175	
		139		408	486	
		140		4315	233	

Date	XRF Ser No.	XRF Run #	Res* eV	Site Name/Sample ID	Result	Result
5/21/12	5444	141		5861	5.7	
		142		BLANK	1	
				END		

* Only record resolution each time unit is calibrated.

Valerie

SU3 Drip Zone (5434)

Run #	Transect	Dist	[Pb]	Avg. [Pb]
52	1	30"	479	
53			429	413
54			331	
55		+2'	196	
56			226	220
57			238	
58		+4'	150	
59			135	155
60			180	
61		+6'	144	
62			136	133
63			119	
				4-9-12
64	3	0'		
65		~~6'~~	657	
66			676	637
67	3	2'	578	
68			340	
69			379	378
70	3	4'	414	
71			353	
72			271	320
73	3	6'	335	
74			256	
75			305	323
76	3	8'	408	
77			255	
78			363	326
			361	

LOC ID ~~101~~ 103 5444

~~5~~

616 Warne St

Sean (5420)

SU1

Run #				
33	4	0	150	
34			133	157
35			188	
36		2'	161	
38			147	129
39			80	
40		4'	124	
41			59	102
42			149	
43			76	
6424	LOC ID 103			4-9-12
53	4	0'	1175	
54			1028	1092
55			1074	
56	4	2'	779	
57			760	795
58			847	
59	4	4'	503	
60			646	
61			611	575
62			701	
63			415	
64	4	6'	630	
65			309	
66			773	594
			665	
68	4	8	432	
			517	459
			428	

SU1

SU2

SU2

Paul

SU1 (5444)

Run #				
37	2	0	240	
38			202	211
39			190	
40		2'	253	
41			243	268
42			310	
43		4'	263	
44			266	253
45			230	
46		6'	119	
47			218	172
48			178	
49		8'	196	
50			239	208
51			190	
SU3	3			
52		2'	250	
53			226	234
54			226	
55		4'	201	
56			263	219
57			194	
58		6'	186	
59			132	168
60			187	
61		8'	155	

SU2

Location ID _____ XRF Ser # _____

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Location ID _____

XRF Ser #_____

Loc ID 103 XRF 5434

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
25	1	0	929	
26			862	
27			463	849
28			962	
29			1030	
30		2'	779	
31			790	837
32			944	
33		4'	507	
34			515	542
35			605	
36		6"	474	
37			417	419
38			368	
39		8'	539	
40			774	
41			440	484
43			356	
44			312	
45	1	0	602	
46		30"	424	
47			510	432
48			364	
49		0	353	
50		0	670	541
51		2'	424	
52			470	478
53			542	
7	SW1/2	0	1651	
8			1124	1250
9			975	
10	2	2'	1653	
11			759	932
12			989	
13	2	4'	494	
14			470	524
15			608	
16	2	6	510	
17			459	393
18			209	
19	2	8'	402	
20			503	420
21			356	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
22	SW3/2	30"	216	
23			253	235
24			235	
25	SW3/3	30"	250	
26			299	250
27			261	
28	SW3/4	30"	231	
29			299	265
30			281	
37	SW1/4	0	847	
38			678	732
42			671	
43	4	2	594	
44			537	526
45			567	
46	4	4	446	
47			764	604
49			603	
50	SW3/1	30"	273	
51			694	1364
52			2605	
53	1	2'	507	
54			622	563
55			560	
56	1	4	357	357
61	SW3/1	30"	652	
62			627	626
63			598	
64	1	2'	551	
65			414	463
66			425	
67		4'8'	373	373
49	SW1/4	0	1086	
50			1439	1362
51			1560	
52	4	2'	1690	
53			954	1130
54			1345	
55	4	4'	439	
56			429	447
57			472	
58	SW1/3	0'	1103	
59			1040	1018
60			910	
61	3	2'	750	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
62	SW1/3	2'	834	
63	3		292	625
64	SW3/1	30"	147	
65			128	123
67			95	
68	SW3/2	30"	177	
69			149	109
154	SW1/2	0	460	
155			546	555
156			658	
157	2	2'	219	
158			125	191
159			228	
160	SW1/4	0	352	
161		QC 1	541	
162		QC 2	438	
163		QC 3	427	
164		QC 4	385	
165		QC 5	521	506
166		QC 6	478	
167		QC 7	446	
168			496	
169			733	
170			722	
171			529	
173		2'	414	
174			323	329
175			249	
176	SW1/1	0	438	
177			333	311
178			162	
179	1	2'	182	
180			283	240
181			256	
182	SW3/2	30"	233	
183			320	255
185			212	

Location ID _____ XRF Ser # _____

Date 4/8/2012

SRF# 5434

Loc ID	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
139	14	1	0	145	
	15			139	140
	16			136	
	17		2'	128	
	18			103	131
	19			162	
	20		4'	67	
	21			66	
	22			102	82
	23			118	
	24			56	
	25		6'	38	
	26			54	46
	27			46	
	28		8'	22	
	29			35	
	30			64	44
	31			63	
	32			37	
174	64	1	0	354	
XRF	65			298	321
5434	66			311	
	67		2'	217	
SU1	68			273	233
	69			210	
	70		4'	388	
	71			440	
	72			1579	679
	73			656	
	74			332	
	75		6'	323	
	76			239	316
	77			386	
	78		8'	218	
Date 01	79			218	232
4/9/2012	03			260	
	04		4'	269	
	05			261	568
	06			309	
SU1	07			1435	
	08		10'	151	
	09			210	176
	10			168	
	11			158	
	12			193	

Date 4/8/2012

SRF# 5420

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
9	2	0	246	
10			245	279
11			346	
12		2'	227	
13			237	
14			387	275
15			233	
16			293	
17		4'	341	
18			250	280
19			248	
20		6'	228	
21			162	205
22			224	
23		8'	154	
24			164	196
25			269	
26		10'	110	
27			166	140
28			146	
29		55'	126	
54 34 51		65'	79	
SU3 13	2	30"	815	
5434 14			712	731
XRF 15			666	
16		2'	304	
17			236	306
18			379	
19		4'	297	
4/9/2012 20			181	285
21			377	
22		6'	228	
23			172	194
24			184	

Date 4/8/2012

SRF# 5434

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
33	3	0	70	
34			57	105
35			190	
36		2'	106	
37			310	175
38			109	
39		4'	139	
40			165	160
41			176	
42		6'	160	
43			174	151
44			119	
45		8'	186	
46			154	~~173~~
47			179	167
48		10'	153	
49			119	135
50			133	
54 26 30		8'	168	
31			151	

Location ID 139 & 174

XRF Ser # 5434

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
176	175	SW1/1	0	386	
	176			202	337
	177			423	
5434	178	1	2	217	
	179			272	247
	180			253	
	181	SW1/2	0	269	
	184			265	269
	185			273	
	186	SW3/1	30'	415	4
	187			330	332
	188			261	
	189	SW3/3	30"	175	
	190			163	164
	191			155	
218	91	SW3/3	30"	111	
5434	92			106	120
	93			144	

Run #	[illegible]	[illegible]	[illegible]	Avg. [illegible]

Run #	[illegible]	[illegible]	[illegible]	Avg. [illegible]

Location ID _____ XRF Ser #_____

XRF#5420

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
246	110	SU1/2	0	571	
	111			372	418
	112			380	
	113		2'	246	
	114			322	291
	115	~~SU3/1~~		305	
	116	SU3/1	30"	475	
	117			474	505
	118			567	
	119		2'	347	
	120			291	355
	121			426	
	186	SU3/1	30"	299	
133	187			229	212
	188			107	
	189	SU3/2	30"	167	
	190			209	
	191			597	309
	192			269	
	193	SU3/3		150	
XRF 6424	194			179	161
	195			173	
	196	SU3/1	30"	308	
155	197			166	244
	198			259	
4-11-12	48	T2	0	488	501 ~~520~~
	49			465	
OC	50			~~519~~	
ID	51		2'	536	516 ~~540~~
119	52			501	
	53			483	
	54		4'	115	406 ~~450~~
XRF	55			568	
5420	56			537	
	57		6'	374	433 ~~450~~
	58			408	
	59			519	
	60		50'	182	178
	61			175	
	62		8'	383	
	63		10'	410	430
	64		10'	455	
	65		10'	426	

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
4-11-12	66		14'	307	
	67		14'	523	380
	68		14'	312	
	69		20'	314	
	70		20'	396	337
	71		20	302	
108	75	SU3/1	30"	101	
XRF 5420	76			107	108
	78			116	
	79	SU3/1	30"	219	
121	80			216	230
	81			255	
	84	2	30"	208	
	85			310	281
	86			324	
	87	3	30"	286	
	88			284	247
	89			231	
	90	4	30"	352	
	91			288	304
	92			272	
	93	SU3/2	30"	123	
123	94			130	122
	95			114	
	96	SU1/1	0	269	
	97			204	248
	98			220	
	90	SU1/2	0	241	
XRF 5421	91			276	249
	99			229	
109	102	SU3/1	30"	245	
	103			223	247
	104			224	
	94	SU3/4	30"	401	
	95			224	282
	96			221	
	105	SU3/2	30"	285	
	106			234	261
	107			263	
	97	SU3/3		337	
	98			211	277
	99			285	

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
111	108	SU1/1	0'	281	
	109			76	205
	110			258	
	100	SU1/2	0'	264	
	101			228	251
	102			260	
	103	SU1/2	6'	131	131
	164	SU1/1	0	147	170
216	165			203	~~187~~
	166			161	
	107		2'	300	
	108			202	228
	109			212	
	147	SU3/1	~~4~~2	561	
	148			611	616
	149			677	
	150	1	4'	600	
	151			405	462
	152			381	
	153	1	6'	102	
	154			523	368
	155			479	
	156	SU1/1	0	514	
217	157			425	429
	158			347	
	159	1	2	316	
	160			306	291
	161			250	
	162	SU1/2	0	295	
	163			217	282
	164			334	
	165			213	
	166			260	215
	167			233	
	168	SU3/2	30"	544	
	169			488	433
	170			266	
	171	2	2'	252	
	172			285	263
	173			251	
	174	SU3/3	2'	396	
	176			320	382
	174			431	

Location ID _____

XRF Ser # _____

XRF 5444

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
74	1	0	248	
75			226	240
76			248	
77		6	155	
78			160	190
79			257	
80	2	0	87	
81			205	180
82			248	
83		6	135	
84			134	134
85	1	30in	124	
86	VOID			625
87			141	
88			110	
89	2	30in	228	
90			214	222
91			205	
XRF 5420				
94	1	0	246	
95			244	260
96			291	
97		4	281	
98			300	313
99			360	
100		6	411	
101			241	306
102			268	
XRF 5444				
135	4	30in	336	
136			304	356
137			428	
138		2	217	
139			312	264
140			303	
9	SW3/1	30"	62	
10			47	61
11			75	
12	1	2'	66	
13			64	60
14			51	

XRF 5434

Run #				
15	SW3/3	30"	30	
16			74	62
17			82	
18	SW3/4	30"	74	
19			51	59
20			55	
21	SW3/3	30"	101	
22			95	93
23			92	
32	SW1/2	0	107	
33			79	91
34			86	
35	2	2	120	
36			66	83
37			62	
38	2	4	120	
39			90	89
40			54	
41	2	6	95	
42			85	77
43			53	
44	SW3/2	30"	379	
45			506	447
46			455	
47	2	2	306	
48			311	269
49			190	
33	SW1/1	0	103	
34			92	117
35			156	
47	SW1/1	0	214	
48			107	192
49			256	
50	1	2	106	
51			106	102
52			100	
53	SW1/1	0	254	
54			233	233
55			211	
56	1	2'	146	
57			161	158
58			166	
59	SW3/4	30"	63	
60			75	63
61			51	

5420

Run #				
21	SW1/1	0	200	
22			159	182
23			187	
24	1	2	146	
25			193	136
26			68	
27	1	4	111	
29			195	132
28			191	
30	1	6	160	
31			211	178
32			164	
162	SW3/3	30"	286	
164			169	193
165			121	
166	3	2	263	263
234	3	4	551	527
235	T4	30'	503	
236	T4	4'	184	
237			174	159
238			119	
27	SW1/1	2'	56	
28			87	68
29			61	
62	SW3/3	30"	190	
63			181	193
64			209	
65	SW3/2	30"	298	
66			204	277
67			328	
76	SW3/1	30"	91	
77			72	68
78			40	
79	SW3/2	30"	173	173
95	SW3/4		256	
96			164	213
97			218	
98	SW3/1	30"	459	
99			371	349
100			216	
99	SW3/2	30"	128	98
102			67	

Location ID _____ XRF Ser # _____

XRF #6425

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
127	89	SW1/1	0	8	
	90			529	558
	91			461	
			2'	377	
				560	Failed QC
	95			461	
SW1	96			1109	
	97			491	
	98			586	
	100			445	
	~~103~~	✓	✓		
127	131	4	30	362	
XRF =	5444	132	30	742	473
	133		30	450	
SW3	134		30	339	
	135	4	2	168	163
			2	159	
LOC	115	2	30"	164	
ID	116		30"	216	203
155	117		30"	228	
	118		2'	179	
XRF	119		2'	186	188
5434	120	✓	2'	198	
4-10					
SE5	121	4	30	97	
	122		30	386	
LOC	123		30	389	290
154	124		30	289	
4-10					

XRF # 5434

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
127	72	SW1/3	0	698	
	73			863	
	74		QC 1	731	
	75		QC 2	611	
	76		QC 3	619	686
SW1	77		QC 4	603	
	78		QC 5	688	
	79		QC 6	708	
	80		QC 7	653	
	81		2'	442	
	82		2'	~~400~~	425
	83		2'	~~425~~	
			4'		
	84		4	57	201
	85		4	289	
	XRF # 5444				
4-11					
LOC	28	2	0	310	
215	29			349	327
SW2	30			303	
	31		2	310	
	32			275	287
	33			278	
	34		4	387	
	35			240	318
	36			309	
LOC	~~[illegible]~~		~~50~~	~~159~~	
45	~~[illegible]~~		~~4~~	~~[illegible]~~	
SW3	37	4	30 in	693	
	38			576	680
	39			771	
	40		2	303	
	41			234	309
	42			242	
LOC	43	1	0	461	
120	44			346	
SW2	45			820	734
	46			833	
	47			774	
	48		2	518	
	49			664	547
	50			510	

XRF 5420

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
	36	1	0	270	
LOC	37			317	300
215	38			378	
4-11	39		2	390	
SW3	40			273	338
	41			351	
	42		4	370	
	43			279	351
	44			383	
	45		30"	314	
	46			234	229
	47			139	
LOC	51	1	4	654	
120	52			839	751
SW3	53	VOID			
4-11	54			742	
	55		8	863	
	56			716	861
	57			906	
	58		12	550	
	59			885	
	60			720	780
	61			695	
	62			956	
	63		20	793	
	64			496	
	65			429	627
	66			733	
	67			707	
	68		30	1008	
	69			415	842
	70			1104	
	71		40	992	1002
	72			1013	

Location ID _____

XRF Ser # _____

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
105	2	0"	607	
106			561	
107	void			590
108			603	
109		2'	745	
110			472	
111			750	601
112			465	
113			573	
115		4'	1083	
116			840	
117			693	797
118			730	
119			639	
120		6'	513	
121			1314	
122			983	933
123			556	
124			1301	
125		10'	661	
126			624	619
127			512	
44	3	0"	852	
45			742	888
46			1071	
47		2'	505	
48			537	505
49			473	
50		4'	456	
51			433	437
52			424	
53	3	30"	860	
54			877	
55			887	
56			908	
57			868	
58			887	
59			914	
60			593	
61			714	722
62		2'	381	
63			470	420
64			409	
65		4'	478	
66			472	446
67			388	
68		10'	309	
69			506	410
70			416	

Location ID _____

XRF 5420

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
71	4	30"	717	
72			770	787
73			875	
74		2'	576	
75			552	548
76			516	
68	1	0	940	
69			886	353
70			733	
72		2'	479	
74			244	351
71			330	
75	3	30"	366	
76			338	356
77			365	
78		2'	386	386
79		0"	572	
80			680	628
81			633	
82	1	0"	252	
83			321	284
84			279	
85		30	253	
87			235	245
88			247	
103	1	2'	154	
104			270	235
105			282	
106	2	30"	271	
107			198	
108	void			236
109			241	
110		0"	321	
111			359	362
112			407	
137	1	0"	493	
138			454	448
139			658	
140			426	
141			210	
142		2'	146	
143			171	196
144			272	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
140	2	0	531	
141			758	627
142			594	
143		2	318	
144			288	271
145			209	
124	5	0"	609	609
125		2'	301	301
	Loc 106			
107	3	30"	119	
108			137	122
109			112	
104	1	30"	257	
105			254	294
106			372	
145	3	30"	391	
146			218	282
147			239	
148		2'	196	
149			143	167
150			164	
8	1	0	322	294
9			236	
10			326	
11	1	20'	92	
12		2'	187	
13			155	
14			214	
8	SU3	30"	85	
9	T2		60	
10			431	
11			67	
12	T4	30	403	
13			408	
14			542	
15	T4	2'	158	
16			157	
17			133	
10	T2	30	906	
11			971	
12		2'	199	
13		2'	179	
14	T3	30"	187	
15	@		408	
16	Sled		369	
17		2'	126	

XRF Ser # _____

All LOC IP 129 readings

6424

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
10	4	0	59	
11			37	57
12			75	
13	4	2'	118	
14			142	121
15			103	
16	4	4'	183	
17			154	149
18			111	
19	4	6"	154	
20			110	118
21			91	
22	4	8'	130	
23		8'	120	127
24			130	
25	SU3	30"	145	
26	Transect 2		96	133
27			159	
28		2'	10ID	
29		2'	186	177
30			164	
31			181	
32		4'	146	
33			136	146
34			157	
~~44~~	~~2~~	~~0~~	~~17~~	
45	2 (su1)	0	1366	
46	2		1189	1283
47			833	
48		2'	682	
49			467	572
50			567	
51		4'	400	
52			494	473
53			524	
54		6'	310	
55			409	372
56			397	
57		8'	134	
58			334	246
60			271	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
25	3 (su1)	0'	171	
26			161	166
27			167	
28	3	2'	334	252
29			156	~~238~~
30			219	
31	3	4'	187	
32	3	2'	300	
33	3	2'	244	186
34	3	4'	138	
35	3	4'	233	
36	3	6'	127	
37			185	138
38			103	
39	3	8"	160	
40			151	166
41			187	
42	su3/1	30"	462	
43			273	411
44			185	
45			724	
46	1	2'	395	
47			290	294
48			196	
49		4'	268	
50			226	236
51			213	
61	su3/2	30"	447	
62			392	488
63			625	
64	2	2'	303	
65			309	306
66			306	
67	2	4'	219	
~~54~~	~~correct~~		~~9292~~	
55			74	
56			63	
57			70	71
58			58	
59			69	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
60			53	
61			49	47
62			53	
63			47	
64			43	
09	1	0"	1019	
10			726	848
11			799	
12		2'	967	
13			1265	1115
14			1013	
15		4'	314	
16			618	
17			526	500
20			566	
21			479	
22		6'	416	
24	1	0"	603	
25			554	657
26			816	
29		2"	1126	
30			1144	1168
31			1234	
33		4'	1882	
34			1584	1503
35			1043	
36		6'	1097	
37			1547	1373
38			1476	
39		10'	318	
40			785	
41			996	757
42			988	
43			700	

Location ID _____ XRF Ser # _____

4/10/12

Run #	Transect	Dist	[Pb]	Avg. [Pb]
ID	105	X 5	144	
74	1	0	530	501
75	1	0	482	
76	1	0	501	
77	1	2'	378	
78	1	2'	363	359
79	1	2'	327	
80	1	4'	353	353
ID	105	X 5	144	
81	4	0	806	770
82	4	0	730	
83	4	0	774	
84	4	2'	452	
85	4	2'	404	452
86	4	2'	501	
ID	116	X 5	444	
105	1	0	1015	
106	1	0	936	1021
107	1	0	1102	
108	1	2'	936	
109	1	2'	850	1029
110	1	2'	1132	
111	1	2'	1200	
112	1	4'	504	
113	1	4'	455	419
114	1	4'	299	
115	1	6'	242	242

Run #				
ID	105	X 5	434	
39	2	0	697	718
40	2	0	573	
41	2	0	726	
42	2	0	714	
43	2	2'	390	
44	2	2'	431	404
45	2	2'	389	
46	2	4'	424	
47	2	4'	[illegible]	455
48	2	4'	452	
ID	116	X 5	420	
77	2	0	1020	1066
78	2	0	1182	
80	2	0	[illegible]	
81	2	2'	915	
82	2	2'	973	920
83	2	2'	void	
84	2	2'	872	
85	2	4'	765	679
86	2	4'	760	
87	2	6'	325	
88	2	4'	508	
89	2	4'	681	
ID	106	X 6	424	
147	4	0	273	
148	4	0	299	290
149	4	0	299	
150	4	2'	256	
151	4	2'	205	
152	4	2'	void	237
153	4	2'	252	

ID 105 X 6424

Run #				
130	4	30"	648	
131	4	30"	void	
132	4	30"	647	639
133	4	30"	void	
134	4	30"	632	
135	4	2'	316	
136	4	2'	381	
137	4	2'	void	375
138	4	2'	void	
139	4	2'	373	
	2			
ID	106	X 5	420	
90	3	0	398	327
91	3	0	271	
92	3	0	312	
93	3	2'	177	
94	3	2'	183	185
95	3	2'	196	
ID 106		X 5	420	
96	2	30"	306	320
97	2	30"	354	
98	2	30"	317	
99	2	2'	171	
100	2	2'	154	173
101	2	2'	190	

Location ID _____ XRF Ser #_____

714 [illegible]

X 6420

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
87	3	0	908	
88	void	0		1010
89	3	0	936	
90	3	0	1037	
91	3	2'	void	
92	3	2'	924	
93	3	2'	void	
94	3	2'	982	992
95	3	2'	void	
96	3	2'	758	
97	3	2'	984	
98	3	2'	912	
99	3	4'	void	
100	3	4'	522	
101	3	4'	490	600
102	3	4'	954	
103	3	4'	695	
104	3	4'	519	
x	x	x	x	
117	ID	5444	440	
31	1	0	1207	
32	1	0	1378	1269
33	1	0	1223	
34	1	2'	1103	
35	1	2'	674	
36	1	2'	1158	1000
37	1	2'	1067	
38	1	4'	684	
39	1	4'	925	759
40	1	4'	769	
x	x	x	x	x
ID	115	5444		
41	3	0	923	
42	3	0	820	798
43	3	0	751	
44	3	2'	1000	
45	3	2'	991	944
46	3	2'	1031	
47	3	2'	1165	
48	3	4'	665	
49	3	4'	395	582
50	3	4'	500	
51	3	4'	735	
52	3	4'	619	

X 6425

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
19	4	0	928	
20	4	0	void	
21	4	0	623	959
22	4	0	void	
23	4	0	926	
24	4	0	1000	
25	4	0	1174	
26	4	2'	635	
27	4	2'	927	865
28	4	2'	1000	
29	4	2'	1034	
30	4	4'	357	
31	4	4'	108	824
32	4	4'	923	
33	4	6'	697	
34	4	6'	475	749
35	4	6'	966	
36	4	6'	962	
x	x	x	x	
ID 119	5444			
53	3	6'	417	
54	3	6'	512	441
55	3	6'	395	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
ID	115	x 5444		
56	3	30"	97	
57	3	30"	123	128
58	3	30"	166	
59	3	2'	155	
60	3	2'	164	150
61	3	2'	114	
x	x	x	x	x
ID 119		x 5444		
62	4	30"	1163	
63	4	30"	888	718
64	4	30"	708	
65	4	30"	414	
66	4	30"	479	
67	4	2'	443	
68	4	2'	424	438
69	4	2'	447	
70	4	4'	391	
71	4	4'	598	524
72	4	4'	583	
73	4	6'	290	290

Location ID 116, 115

XRF Ser #_____

4/12

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc	164	x	5434	
40	1	0	96	69
41	1	0	133	
42	1	0	98	
~~x~~	~~x~~	~~x~~	~~x~~	
Loc	159	x	5420	
77	2	0	402	599
78	2	0	847	
79	2	0	547	
80	2	2'	195	
81	2	2'	232	217
~~82~~	~~2~~	~~2'~~	~~227~~	
Loc	159	x	5434	
59	1	30"	402	341
60	1	30	314	
61	1	30	306	
62	1	2'	363	
63	1	2'	354	354
~~64~~	~~1~~	~~2'~~	~~344~~	
~~x~~	~~x~~	~~x~~	~~x~~	
Loc	160	x	5434	
64	2	0	1174	
65	2	0	1097	1334
66	2	0	1730	
67	2	2'	661	
68	2	2'	1048	449
69	2	2'	1137	
70	2	4'	384	
71	2	4'	476	424
72	2	4'	413	
73	2	6'	370	
74	2	6'	361	376
75	2	6'	398	
Loc	218		x5434	
82	1	0	193	
83	1	0	132	164
84	1	0	167	
85	1	2'	126	
86	1	2'	124	123
87	1	2'	119	
88	1	4'	178	
89	1	4'	119	146
90	1	4'	141	

Location ID _____

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc	157	X	5444	
62	1	30"	032	
63	1	30"	037	40
64	1	30"	051	
65	2	2'	089	
66	2	2'	080	79
67	2	2'	067	
68	3	30"	044	
69	3	30"	095	67
70	3	30"	062	
71	4	30"	049	
72		Standardize		
73	4	30"	041	49
74	4	30"	058	
Loc	190	x	5444	
75	1	0	139	
76	1	0	113	127
77	1	0	129	
Loc	180	x	5444	
78	3	30"	108	
79	3	30"	100	104
80	3	30"	104	
Loc	218	x	5434	
91	1	6'	129	
92	1	6'	169	139
93	1	6'	118	
Loc	218	x	5420	
120	2	6'	~~180~~	177
121	2	6'	176	166 avg
122	2	6'	175	

XRF Ser # _____

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc	160	x	5420	
83	1	0	1942	135
84	1	0	1172	
85	1	0	930	
86	1	2'	381	
87	1	2'	937	672
88	1	2'	697	
89	1	4'	445	
90	1	4'	399	448
91	1	4'	500	
92	1	6'	315	
93	1	6'	412	399
94	1	6'	469	
95	1	8'	149	149
Loc	160	x	5420	
96	1	30"	170	209
97	1	30"	221	
98	1	30"	237	
~~x~~	~~x~~	~~x~~	~~x~~	
Loc	179	x	5420	
99	1	0	113	
100	1	0	105	118
101	1	0	137	
102	1	2'	100	
103	1	2'	68	90
104	1	2'	71	
Loc	179	x	5420	
105	4	30"	119	
106	4	30"	104	104
107	4	30	84	
108	3	30"	121	
109	3	30"	115	108
110	3	30"	88	
Loc	218	x	5420	
111	2	0	199	
112	2	0	205	190
113	2	0	166	
114	2	2'	073	
115	2	2'	090	91
116	2	2'	111	
117	2	4'	074	70
118	2	4'	076	
119	2	4'	060	

4112

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc 222				
		X64	124	
136	1	0	215 ~~AD~~	
137	1	0	~~10488~~	~~111~~
138	1	0	~~11758~~	120
139	1	2'	101	
140	1	2'	67	112
141	1	2'	169	
142	1	4'	~~95 AD~~	
143	1	4'	~~60 AD~~	64
144	1	4'	67	
145	1	6'	100	
146	1	6'	142	112
147	1	6	95	
x	x	x	x	
Loc	221	X64	124	
148	1	0	143	
149	1	0	99	111
150	1	0	92	
151	1	2'	87	
152	1	2'	143	109
153			gone	
154	1	2'	98	
155	1	4'	92	
156	1	4'	78	85
157	1	4'	84	
159	1	6'	111	
160	1	6'	1187	105
161	1	6'	86	
~~Loc 161~~				
Loc	175	x	5434	
30	1	0	339	
31	1	0	232	
32	1	0	208	
33	1	0	206	243
34	1	0	239	
35	1	0	224	
36	1	0	234	
37	1	0	231	
38	1	0	256	
39	1	0	260	

SU 1

edit in product

QA QC 7x

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc 222				
		x54	44	
8	2	0	114	
9	2	0	110	105
10	2	0	91	
11	2	2'	102	
12	2	2'	149	132
13	2	2'	146	
14	2	4'	76	
15	2	4'	92	86
16	2	4'	92	
17	2	6'	60	
18	2	6'	58	68
19	2	6'	87	
20	2	30"	34	39
21	2	30"	44	
22	2	30"	39	
23	2	2'	37	
24	2	2'	42	41
25	2	2'	43	
26	2	4'	39	
27	2	4'	22	37
28	2	4'	50	
x	x	x	x	
Loc	221	x	5444	
29	2	30"	183	146
30	2	30"	134	
31	2	30"	122	
x	x	x	x	
Loc	224	x	5434	
24	1	30"	160	
25	1	30"	317	232
26	1	30"	218	
x	x	x	x	
Loc	175	x	5444	
50	1	30"	187	
51	1	30	119	181
52	1	30	237	
53	2	30	345	
54	2	30"	332	331
55	2	30"	317	
~~2~~	~~2'~~	~~224~~		
~~2~~	~~2'~~	~~173~~		
~~56~~	~~3~~	~~30"~~	~~224~~	
~~3~~	~~3'~~	~~173~~		
		435		

SU 1

SU 3

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc	221	x 54	20	
9	2	0	94	
10	2	0	15	83
11	2	0	21	
12	2	2'	57	
13	2	2'	50	52
14	2	2'	50	
15	2	4'	51	
16	2	4'	47	55
17	2	4'	69	
18	2	6'	60	
19	2	6'	60	69
~~20~~	~~2~~	~~6'~~	~~79~~	
Loc	161	x	5420	
36			65	
37			63	
	New Dirt			
Sump set				
	Grandkids			
x	x	x	x	
Loc	175	x	5420	
38	1	2'	155	151
39	1	2'	140	
40	1	2'	158	
x	x	x	x	
Loc	164	x	5420	
41	1	30"	213	274
42	1	30"	327	
43	1	30"	282	
44	2	30"	306	
45	2	30"	278	316
46	2	30	364	
Loc	175	x	5444	
56	3	30"	224	277
57	3	30"	173	
58	3	30"	435	
59	3	2'	276	287
60	3	2'	226	
61	3	2'	359	

SU 1

SU 4

SU 1

SU 3

Location ID _____ XRF Ser # _____

161 1 0 440 96 133 98

4/11

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc ID	125	x	5420	
113	2	0	1400	1435
114	2	0	1838	
115	2	0	1068	
116	2	4'	1227	
117	2	4'	1404	1249
118	2	4'	1117	
119	2	8'	542	
120	2	8'	713 ~~785~~	722
121	2	8'	910	
122	4	0	1567	1567
123	4	6'	310	
124	4	6'	307	313
125	4	6'	332	
126	4	4'	323	
127	4	4'	299	302
128	4	4'	284	
129	3	30"	339	
130	3	30"	365	381
131	3	30"	439	
132	3	2'	743	
133	3	2'	617	591
134	3	2'	412	
135	3	4'	300	
136	3	4'	300	263
137	3	4'	188	

SU1

SU3

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc ID	125	x	5434	
138	1	0	1710	1561
139	1	0	1975	
140	1	0	999	
141	1	4'	600	
142	1	4'	855	723
143	1	4'	714	
144	1	8'	354	
145	1	8'	327	362
146	1	8'	405	
147	1	2'	561	
148	1	2'	611	616
149	1	2'	677	
~~150~~	+	~~4'~~		

SU3

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc ID	125	x	5444	
125	3	0	1468	1384
126	3	0	903	
127	3	0	1776	
128	3	4'	487	
129	3	4'	470	543
130	3	4'	673	
131	SU2	SU2	176	176
	↑3	↑30'		
132	3	8'	593	458
133	3	8'	284	
134	3	8'	497	

Location ID _____

XRF Ser #_____

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Location ID _____

XRF Ser #_____

4/10/12

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc ID 135		X	5444	
SU 3 18	1	30"	79	61
19	1	30"	47	
20	1	30"	57	
21	4	30"	100	104
22	4	30"	91	
23	4	30"	111	
Loc 163		X	5444	
24	1	30"	74	82
25	1	30"	92	
26	1	30"	79	
27	1	2'	103	103
Loc ID 216		X5	434	
120	3	30"	436	564
SU3 121	3	30"	462	
122	3	30"	794	
123	3	2'	092	
124	3	2'	549	370
125	3	2'	468	
126	3	4'	511	
127	3	4'	395	448
128	3	4'	439	
129	3	6'	356	
130	3	6'	315	312
131	3	6'	264	

636 441 4554

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
Loc ID 135		X	5434	
SU 3 18	2	6'	246	no 30" 2', 4' avail 266
19	2	6'	230	
20	2	6'	322	
21	3	30"	87	
22	3	30"	120	103
23	3	30"	103	
Loc 163		X	5434	
24	2	30"	102	
25	2	30"	91	
26	2	30"	93	
27	2	30"	92	
Loc ID 119		X5	134	
SU 1 57	2	0	310	355.
58	2	0	298	
59	2	0	376	
60	2	2'	342	
61	2	2'	412	379
62	2	2'	382	
63	2	4'	327	
64	2	4'	466	389
65	2	4'	376	
66	2	6'	317	
67	2	6'	375	329
68	2	6'	294	
69	2	8'	375	
70	2	8'	417	436
71	2	8'	516	
72	2	10'	421	
73	2	10'	442	445
74	2	10	472	
Loc ID 216		X5	134	
111	1	30"	312	338
112	1	30"	408	
SU3 113	1	30"	293	
114	2	30"	704	580
115	2	30"	285	
116	2	30"	752	
117	2	2'	343	
118	2	2'	461	457
119	2	2'	567	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
121	Loc ID		X 5420	
72	1	0	71	
73	void		~~183~~	118
74	1	0	183	
75	1	0	99	
76	1	2'	160	
77	1	2'	165	121
78	1	2'	37	
79	1	6'	231	
80	1	6'	222	185
81	1	6'	101	
82	2	0	84	
83	2	0	150	99
84	2	0	63	
85	2	4'	141	
86	2	4'	102	124
87	2	4'	129	
Loc 121		X	5420	new dist
88	SU2	SU2	203	225
89	SU2	SU2	247	
Loc ID 124		X	5444	
110	1	30"	188	176
111	1	30"	156	
SU 3 112	1	30"	185	
113	1	2'	121	131

Location ID _____

XRF Ser # _____

4-9-12

Loc ID	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
300	9			43	
	10			41	
	11			33	39
	12			42	
	13			36	
Loc ID 110	12	1	30"	370	
	13			223	263
5434	14			196	
SU3	15		2'	179	
	16			270	242
	17			277	
Loc ID 117	19	2	0	1479	
	20			1354	1449
	21			1514	
	22		2'	1128	
	23			1453	1194
	24			1000	
	25		4'	676	
	26			860	826
	27			941	
	28		6'	695	
	29			609	
	30			823	
Loc ID 115	31		30"	250	
	32			270	283
SU3	33			328	
	34		2'	327	
Trans 2	35			243	284
	36			283	
	37		4'	240	
	38			243	241.5
	39				

Loc. ID 105 SU1

Run #					
87	5	0	797		
88		0	798		
89		0	835		
90		0	755		
91		0	820		807
92		0	807		
93		0	838		
94	side	0	1043		1005
95	side	0	1166		
96		2'	803		
97			706		765
98			786		
99		4'	927		
100			988		1010
101			1115		
102		6'	308		
143 ID 855					
		X 5434			
SU 1 87	2	0	360		472
88	2	0	496		
89	2	0	560		
90	2	2'	185		
91	2	2'	213		207
92	2	2'	223		
143 ID		X 5434			
SU 3 93	2	30"	434		
94	2	30"	383		381
95	2	30"	326		
96	2	2'	392		
97	2	2'	513		404
98	2	2'	307		
99	2	4'	218		
100	2	4'	208		259
101	2	4'	352		
143 ID		X 5434			
SU3 102	4	30"	030		
103	4	30"	199		157
104	4	30"	238		
105	4	30"	159		
106	4	2'	218		
107	4	2'	181		191
108	4	2'	175		
109	4	4'	188		188

Run #					
ID 143	X 6	125	266		
SU 3 113	1	30"	266		283
114	1	30"	319		
115	1	30"	261		
116	1	2'	217		
117	1	2'	257		243
118	1	2'	256		
Loc ID	154	X 5	444		
151	1	30"	335		
SU 3 152	1	30"	224		273
153	1	30"	321		
154	2	30"	173		
155	2	30"	172		178
156	2	30"	190		
157	3	30"	196		
158	3	30"	242		238
159	3	30"	271		
Loc ID	134	X 5	444		
160	1	30"	195		
161	1	30"	113		145
SU 3 162	1	30"	126		
163	2	30"	187		
164	2	30"	276		247
165	2	30"	277		
166	3	30"	072		
167	3	30"	077		84
168	3	30"	092		
	4	gravel			
Loc ID	148	X	5444		
169	1	30"	173		
170	1	30"	221		213
171	1	30"	247		
172	2	30"	654		
173	2	30"	390		650
174	2	30"	367		
175	2	30"	777		
176	2	30"	1061		

Location ID 300

XRF Ser # 5434

LOC 163 ↓

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
21	1	0	90	
22			89	~100
23			111	
24	T1	2'	100	
25			53	~75
26			65	
27	MIDPOINT	20"	100	
28	PLAY		86	
29			103	
30	AREA		233	150
31	SU4		266	
28	T4	30"	100	
29			113	~100
30			97	
31	PLAY		108	
32	AREA		71	
33	SU5		94	100
34			87	
35			81	
36	SU3/1	30"	201	
37			185	192
38			211	
39	SU3/2	30"	323	
40			167	214
41			152	
42	SU3/3	30"	611	
43			441	517
44			501	
45	3	2'	357	
46			468	407
47			396	
48	3	4'	329	
49			351	335
50			324	
51	SU3/1	30"	383	
52			~~582~~	408
53			290	
54	1	2'	239	
55			329	247
			172	

LOC ID 124 4-11-12 XRF 5420

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
102	SU4		1116	
103	PLAY	AREA	348	
104			905	
105			878	
106			247	
107		1153	~~1200~~	
108			332	
109			420	
110	SU2		237	
111	SU2		201	

LOC ID 217 4-11-12 XRF 5420

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
138	SU3	30"	224	
139	T1		190	217
140			238	
141		2'	156	
142			143	140
143			121	
144	SU3	Dirt	216	
145	Play	Area	237	
146	T4	30	182	
147			269	263
148			328	

LOC 176 XRF 5420

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
149	SU3	30"	224	
150	T2		229	208
151			171	
152	SU4	PLAY	496	
153		AREA	420	
154			462	
155			283	
156			331	
157			154	
5444	LBP	App		
Swing 144	BLUE	Plastic	Ø	
Set 145	Red	Plastic	Ø	
146	Lt Blu	Paint	Ø	
147	wht	Paint	Ø	
148	Dk Blue	Paint	Ø	

XRF 6424

LOC ID ~~12~~ 221 4-12-12

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
219	SU3	30"	96	
220	1		144	113
221			99	
224		2'	89	wrong list on XRF
225			124	
227			117	110
228		6'	159	
LOC ID 158				
XRF 5434			4-12-12	
43	SU4		68	
44	Play	Set	71	
45			82	
46			101	
LOC ID 180				
XRF 5434			4-12-12	
47	SU3	30	127	
48	T2		100	114
49			114	
50	T1	30	34	
51	T4	30	136	
			[illegible]	125
52			131	
53			109	
LOC ID 159				
XRF 5420				
69	1	0	743	
70	SU1		747	1073
71			1729	
72		2	237	
73			241	252
74			278	
	SU3			
6424 240	T2	30	232	
242			215	239
243			269	

Location ID _____ XRF Ser #_____

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	[illegible]	[illegible]	[illegible]	[illegible]

Run #	[illegible]	[illegible]	[illegible]	[illegible]

Location ID _____

XRF Ser #_____

	Run #	Tran sect	Dist	[Pb]	Avg. [Pb]
5420	15	T1	0'	1073	
VW	16	⊥		560	
LOC	17	⊥		551	
ID	18	T1	2'	322	
	19	⊥		365	
135	20	⊥		249	
	Drip Zones on filter paper				
5420	32			61	
	33	Grapes		82	
VW	34	area		92	
	35			74	

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Location ID 135

XRF Ser #_____

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Run #	Tran sect	Dist	[Pb]	Avg. [Pb]

Location ID _____

XRF Ser #_____

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
9-Apr-12	1	54.45																																																						
9-Apr-12	1	22.82	wilder 5434	174	NA	1	1	8			218	9	<LOD	20	<LOD	63	210	11	<LOD	97	<LOD	302	<LOD	28	<LOD	12	7219	129	<LOD	20	<LOD	48	<LOD	124	<LOD	0	411	39	<LOD	9	36	2	<LOD	98	<LOD	4	<LOD	90	56	3	1762	328	211	4
9-Apr-12	1	58.64																																																						
9-Apr-12	2	19.71	stroh_5420		Blank						52.1	6.38	40	5.86	<LOD	79.31	91.93	13.84	939.77	98.64	<LOD	861.57	834.66	39.37	<LOD	16.08	13811.67	240.7	2427.89	55.82	<LOD	54.83	<LOD	205.98	<LOD	0	<LOD	133.88	<LOD	11.43	19.98	2.33	<LOD	129.48	<LOD	4.93	129.46	41.35	115.66	4.45	<LOD	766.76	83.06	4.06
9-Apr-12	2	47.43																																																						
9-Apr-12	2	19.49	jackson 5444		PES4315						284.33	11.43	2.94	7	57.3	23.71	833.79	23.65	67.12	46.88	ND		5.86	9.06	3.51	5.36	2555.29	81.11	113.66	11.91	62.94	18.18	-35.17	26.89	ND		548.86	47.86	0.51	3.31	11.72	1.87	-9.82	38.87	0.62	1.6	69.57	35.18	277.54	6.28	127.76	246.16	43.23	3.42
9-Apr-12	3	19.78	twellman_5420		2711						1109.19	27.28	115.31	20.01	<LOD	81.91	302.05	16.45	<LOD	223.11	1199.76	394.49	<LOD	51.61	<LOD	23.37	23874.21	369.66	66.14	12.05	<LOD	57.65	<LOD	284.65	<LOD	0	410.67	59.39	<LOD	12.66	112.65	4.8	<LOD	132.85	<LOD	7.75	<LOD	127.45	243.56	6.77	1668.06	374.15	230.33	6.34
9-Apr-12	3	22.9	wilder 5434	174	NA	1	1	8			260	10	<LOD	22	<LOD	64	253	12	<LOD	101	<LOD	346	<LOD	31	<LOD	13	8780	148	<LOD	20	<LOD	49	179	47	<LOD	0	665	48	<LOD	10	38	2	<LOD	100	<LOD	5	<LOD	91	68	3	2239	372	211	4
9-Apr-12	3	21.46	jackson 5444		NIST 2586						395.33	15.15	17.81	9.38	25.9	26.56	331.75	16.66	393.98	94.62	ND		75.32	23.54	0.23	5.65	48458.54	627.76	77.49	12.69	54.28	20.76	424.85	125.26	ND		584.15	72.67	2.19	4.06	43.7	3.07	-37.85	43.26	-2.86	1.77	65.21	39.31	79.16	3.89	5368.62	560.9	249.01	6.17
9-Apr-12	4	19.86	twellman_5420		2586						447.42	16.98	<LOD	37.45	<LOD	82.85	356.41	18.09	373.25	95.68	<LOD	1351.29	126.43	25.35	<LOD	17.73	48532.51	655.05	53.96	12.26	<LOD	58.71	<LOD	403.03	<LOD	0	636.7	76.9	<LOD	13.25	44.2	3.28	<LOD	136.21	<LOD	6.38	<LOD	129.78	80.09	4.1	4227.37	477.37	241.5	6.4
9-Apr-12	4	21.8	wilder 5434	174	NA	1	1	4			269	9	<LOD	20	<LOD	58	272	11	<LOD	93	<LOD	276	<LOD	28	<LOD	13	8752	134	<LOD	19	<LOD	45	149	42	<LOD	0	523	40	<LOD	9	36	2	<LOD	92	<LOD	4	<LOD	84	67	3	2390	319	238	4
9-Apr-12	4	20	jackson 5444		PES 5861						46.76	6.13	53.16	5.18	106.42	26.41	133.6	14.56	1143.08	103.24	ND		971.26	41.06	2.53	5.34	15657.94	256.61	3433.81	67.68	103.7	20.04	58.87	68.9	ND		143.37	47.4	10.28	3.73	27.06	2.46	67.42	43.48	10.5	2.23	156.27	39.06	111.14	4.3	840.77	321.25	50.03	3.52
9-Apr-12	5	19.97	twellman_5420		2586						275.25	11.75	<LOD	26.91	<LOD	72.28	858.28	25.14	<LOD	131.49	<LOD	740.72	<LOD	27.66	<LOD	17.26	2861.34	90.73	151.26	13.83	<LOD	50.46	<LOD	92.98	<LOD	0	476.07	46.3	<LOD	10.43	9.83	1.93	<LOD	116.66	<LOD	4.41	<LOD	112.88	295.05	6.73	<LOD	619.4	40.06	3.58
9-Apr-12	5	22.95	wilder 5434	174	NA	1	1	4			261	10	<LOD	22	<LOD	64	280	12	<LOD	99	<LOD	281	<LOD	30	<LOD	13	8153	142	<LOD	21	<LOD	50	<LOD	134	<LOD	0	383	39	<LOD	9	34	2	<LOD	100	<LOD	4	<LOD	92	64	3	2196	333	224	5
9-Apr-12	5	19.34	jackson 5444		nist2710						4965.51	78.16	573.33	37.04	66.61	27.92	6463.42	105.15	-58.01	84.62	ND		20.25	21.36	70.39	15.16	34368.76	517.95	2782.23	66.71	-156.66	21.84	-181.76	110.9	ND		8710.99	227.23	2.58	4.28	122.85	5.5	139.87	44.77	-8.34	4.62	23.64	40.17	279.92	7.82	3117.57	499.47	103.01	5.1
9-Apr-12	6	18.73	twellman_5420		2710						5379.43	87.25	597.74	49.12	<LOD	89.83	6789.81	114.91	<LOD	305.68	<LOD	1505.53	<LOD	71.74	65.88	16.89	36281.09	569.92	2890.53	71.57	<LOD	64.58	<LOD	380.41	<LOD	0	8866.2	241.62	15.49	4.76	118.42	5.77	<LOD	146.51	<LOD	16.26	<LOD	143.21	317.17	8.8	1451.18	451.84	118.96	5.75
9-Apr-12	6	23.98	wilder 5434	174	NA	1	1	4			309	11	<LOD	23	<LOD	64	349	13	<LOD	115	<LOD	345	<LOD	34	<LOD	15	11664	173	<LOD	21	<LOD	49	210	52	<LOD	0	773	50	13	3	48	2	<LOD	100	<LOD	4	<LOD	92	80	3	2748	382	302	5
9-Apr-12	6	20.25	jackson 5444		nist 2711						1144.1	26.88	125.61	16.24	62.76	26.56	333.61	16.72	189.59	74.63	ND		43.5	18.45	27.46	8.07	25076.97	371.04	120.45	14.12	7.08	20.32	209.1	90.38	ND		469.99	60.67	-8.38	3.91	122.48	4.8	88.08	42.59	-2.66	2.41	142.98	38.82	244.3	6.59	2601.19	426.78	250.77	6.35
9-Apr-12	7	19.22	twellman_5420		Blank						<LOD	9.29	<LOD	6.1	<LOD	65.42	<LOD	8.29	<LOD	109.95	<LOD	479.31	<LOD	19.41	<LOD	10.59	<LOD	43.99	<LOD	17.99	<LOD	45.19	<LOD	27.46	<LOD	0	<LOD	50.91	<LOD	9.25	<LOD	3.64	<LOD	104.55	<LOD	3.38	<LOD	100.94	<LOD	4.48	<LOD	431.94	<LOD	6.44
9-Apr-12	7	23.56	wilder 5434	174	NA	1	1	4			1435	29	<LOD	56	<LOD	73	618	21	<LOD	131	878	280	<LOD	41	30	8	10099	186	<LOD	25	<LOD	58	202	58	<LOD	0	718	58	<LOD	11	33	3	<LOD	116	<LOD	7	<LOD	108	75	4	33099	1195	236	5
9-Apr-12	7	20	jackson 5444		BLANK						-3.92	2.7	1.67	1.58	39.84	22.03	5.28	3.67	-22.47	32.05	ND		-6.55	6.21	-0.17	3.95	14.44	14.75	7.64	6.27	18.43	16.87	-10.86	9.34	ND		-19.59	16.74	2.86	3.09	0.52	1.24	-0.59	35.29	-0.44	1.1	53.34	32.3	0.94	1.49	-82.79	177.12	-4.11	2.14
9-Apr-12	8	19.65	twellman_5420		Blank						<LOD	9.57	<LOD	6.1	<LOD	68.14	<LOD	8.87	<LOD	106.81	<LOD	531.44	<LOD	19.12	<LOD	11.84	<LOD	48.3	<LOD	17.55	<LOD	47.16	<LOD	27.78	<LOD	0	<LOD	48.85	<LOD	9.33	<LOD	3.9	<LOD	109.03	<LOD	3.45	<LOD	104.49	<LOD	4.47	<LOD	494.1	<LOD	6.66
9-Apr-12	8	22.39	wilder 5434	174	NA	1	1	10			151	7	<LOD	15	<LOD	56	215	10	<LOD	89	<LOD	286	<LOD	25	<LOD	11	6781	115	<LOD	17	<LOD	43	<LOD	108	<LOD	0	377	35	9	3	30	2	<LOD	85	<LOD	3	<LOD	79	58	2	1543	300	165	4
9-Apr-12	8	19.59	jackson 5444		PES4315						262.1	11.05	21.79	7.08	5.33	24.07	831.99	23.75	33.98	47.26	ND		11.54	9.92	-5.76	4.76	2573.96	81.85	111.73	11.95	62.51	18.31	27.89	29.06	ND		529.83	47.71	1.72	3.34	11.36	1.87	45.82	39.43	-0.53	1.53	159.39	35.74	294.97	6.53	-408.76	256.72	37.5	3.4
9-Apr-12	9	18.87	twellman_5420	139	Blank	1	2	0			245.59	9.97	27.33	7.86	<LOD	62.65	186.9	10.53	<LOD	115.13	<LOD	742.03	<LOD	29.22	<LOD	10.71	8250.14	146.73	<LOD	21.09	<LOD	42.48	<LOD	137.69	<LOD	0	408.89	41.06	<LOD	9.31	20.14	1.97	<LOD	96.99	<LOD	4.05	<LOD	93.58	84.4	3.27	784.12	234.64	90.55	3.47
9-Apr-12	9	22.62	wilder 5434	174	NA	1	1	10			210	9	<LOD	18	<LOD	60	204	10	<LOD	102	<LOD	291	<LOD	28	<LOD	11	6610	119	<LOD	19	<LOD	47	133	39	<LOD	0	417	38	11	3	31	2	<LOD	93	<LOD	4	<LOD	86	57	3	1826	318	204	4
9-Apr-12	9	54.52																																																						
9-Apr-12	10	18.34	twellman_5420	139	Blank	1	2	0			244.71	10.75	<LOD	24.55	<LOD	70.92	234.85	12.65	<LOD	171.01	<LOD	867.65	<LOD	39.23	<LOD	13.96	17880.18	261.2	36.37	9.07	<LOD	48.66	<LOD	217.03	<LOD	0	392.31	48.22	<LOD	10.4	19.69	2.12	<LOD	114.63	<LOD	4.77	<LOD	109.72	71.36	3.31	1077.31	278.12	141.16	4.32
9-Apr-12	10	22.96	wilder 5434	174	NA	1	1	10			168	7	<LOD	15	<LOD	53	219	9	<LOD	83	<LOD	242	<LOD	23	<LOD	11	6536	104	<LOD	18	<LOD	41	<LOD	100	<LOD	0	337	31	10	3	32	2	<LOD	81	<LOD	3	<LOD	75	59	2	1313	258	194	4
9-Apr-12	10	19.36	embree 5444	139	BLANK		4	0			58.56	5.89	5.46	3.72	40.72	23.03	117.17	9.12	-43.06	46.4	ND		-0.26	11.35	-2.82	4.22	13505.33	212.9	31.21	8.49	-35.26	17.64	3.43	58.14	ND		367.65	45.13	-1.7	3.54	53.4	2.89	-14.2	37.71	0.08	1.41	114.33	34.03	94.38	3.68	1926.2	328.09	278.9	5.8
9-Apr-12	11	18.43	twellman_5420	139	Blank	1	2	0			345.83	12.46	<LOD	27.7	<LOD	67.88	341.48	14.8	<LOD	155.49	<LOD	802.15	<LOD	35.99	<LOD	14.13	12483.59	201.12	32.93	8.75	<LOD	47.01	<LOD	180.79	<LOD	0	461.31	47.36	<LOD	10.73	35.84	2.52	<LOD	109.27	<LOD	5.06	<LOD	104.78	111.24	3.91	1470.12	271.36	216.98	5.11
9-Apr-12	11	21.45	wilder 5434	174	NA	1	1	10			158	7	<LOD	15	<LOD	55	193	9	<LOD	84	<LOD	252	<LOD	23	<LOD	11	5738	98	<LOD	17	<LOD	42	<LOD	97	<LOD	0	412	33	<LOD	8	34	2	<LOD	85	<LOD	3	<LOD	79	57	2	1110	261	195	4
9-Apr-12	11	20.16	embree 5444	139	BLANK		4	0			36.84	5.35	8.09	3.48	78.77	24.81	123.74	9.76	69.78	51.77	ND		17.21	11.83	4.22	5	9854.28	181.95	23.71	8.48	52.94	18.95	-11.42	52.14	ND		244.83	41.24	-3.67	3.54	29.08	2.42	-39.42	41.24	2.06	1.57	122.06	37.25	91.06	3.79	1737.58	319.33	140.78	4.5
9-Apr-12	12	20.45	twellman_5420	139	Blank	1	2	2			226.64	11.05	<LOD	25.34	<LOD	72.45	213.35	12.85	<LOD	131.67	<LOD	867.14	<LOD	39.11	<LOD	12.91	10324.81	193.7	<LOD	25.74	<LOD	50.9	<LOD	170.66	<LOD	0	399.5	47.66	<LOD	11.38	31.13	2.6	<LOD	116.54	<LOD	4.95	<LOD	112.09	90.09	3.88	996.02	279.55	193.55	5.27
9-Apr-12	12	22.45	wilder 5434	174	NA	1	1	10			193	8	<LOD	17	<LOD	59	200	10	<LOD	90	<LOD	293	<LOD	25	<LOD	13	6933	119	<LOD	18	<LOD	45	128	39	<LOD	0	350	35	<LOD	9	32	2	<LOD	90	<LOD	3	<LOD	83	56	3	1668	311	183	4
9-Apr-12	12	19.26	embree 5444	139	BLANK		4	0			75.33	6.4	1.49	3.93	71.62	22.97	118	9.11	27.39	50.33	ND		14.12	12.54	1.91	4.57	13569.21	211.8	52.95	9.43	-35.12	17.5	118.02	59.4	ND		399.86	46.16	-1.62	3.48	50.78	2.82	63.57	37.22	1.18	1.48	161.02	33.88	102.7	3.79	2189.81	337.9	252.24	5.47
9-Apr-12	13	18.25	twellman_5420	139	Blank	1	2	2			236.69	10.15	<LOD	22.95	<LOD	65.95	232.06	12.03	<LOD	142.5	<LOD	739.08	<LOD	34.63	<LOD	13.65	11704.21	188.72	<LOD	22.86	<LOD	45.6	<LOD	167.55	<LOD	0	534.12	48.04	<LOD	10.54	41.05	2.57	<LOD	104.8	<LOD	4.33	<LOD	100.88	117.09	3.91	1458.08	256.29	252.01	5.36
9-Apr-12	13	23	wilder 5434	174	NA	3	2	30			815	19	<LOD	39	<LOD	67	674	20	<LOD	110	<LOD	356	<LOD	35	<LOD	14	12378	192	<LOD	24	<LOD	52	379	60	<LOD	0	699	52	<LOD	10	42	2	<LOD	104	<LOD	5	<LOD	96	63	3	2396	392	182	4
9-Apr-12	13	18.33	embree 5444	139	BLANK		4	2			117.92	6.96	8.24	4.42	64.29	20.34	142.24	8.98	-10.98	40.63	ND		5	9.74	2.63	4.21	8863.92	147.6	28.5	7.42	-171.02	15.37	49.85	44.1	ND		337.33	38.33	-0.31	3.14	38.1	2.31	-31.12	32.24	1.41	1.37	111.73	29.43	89.33	3.26	1050.43	261.65	195.47	4.45
9-Apr-12	14	18.6	twellman_5420	139	Blank	1	2	2			387.39	13.26	<LOD	28.86	<LOD	67.06	285.56	13.67	<LOD	156.79	<LOD	900.5	<LOD	39.43	<LOD	13.47	13546.65	213.37	41.91	9.25	<LOD	47.15	<LOD	188.34	<LOD	0	494.4	49.17	<LOD	10.91	43.7	2.72	<LOD	107.48	<LOD	5.36	<LOD	104.2	118.83	4.06	1385.17	288.84	280.21	5.81
9-Apr-12	14	22.54	wilder 5434	174	NA	3	2	30			712	17	<LOD	34	<LOD	64	599	18	<LOD	105	<LOD	317	<LOD	30	<LOD	15	10676	165	<LOD	21	<LOD	49	181	50	<LOD	0	343	38	<LOD	9	34	2	<LOD	100	<LOD	5	<LOD	92	79	3	2311	356	182	4
9-Apr-12	14	19.74	embree 5444	139	BLANK		4	2			141.83	7.94	7.02	4.99	59.27	21.21	164.43	10.09	-42.27	42.03	ND		-6.24	10.23	-3.58	4	9907.47	167.04	19.97	7.46	-155.39	16.32	108.66	49.84	ND		375.51	42.09	-1.5	3.32	42.78	2.55	18.86	33.91	0.73	1.42	100.77	30.49	91.11	3.47	983.52	277.88	207.4	4.83
9-Apr-12	15	17.96	twellman_5420	139	Blank	1	2	2			232.6	10.26	<LOD	23.5	<LOD	67.78	288.38	13.57	<LOD	161.38	<LOD	897.19	<LOD	37.97	<LOD	12.7	14063.41	216.67	<LOD	24.16	<LOD	46.96	<LOD	186.87	<LOD	0	573.8	51.35	<LOD	10.85	46.65	2.75	<LOD	109.66	<LOD	4.55	<LOD	105.53	114.12	3.94	1583.42	292.38	282.63	5.77
9-Apr-12	15	24.91	wilder 5434	174	NA	3	2	30			666	18	<LOD	36	<LOD	69	437	16	<LOD	117	<LOD	346	<LOD	34	<LOD	15	9528	168	<LOD	22	<LOD	54	217	53	<LOD	0	367	42	12	3	35	2	<LOD	108	<LOD	6	<LOD	99	59	3	1976	377	170	4
9-Apr-12	15	20.67	embree 5444	139	BLANK		4	4			103.46	7.27	16.83	4.84	48.94	22.31	166.58	10.64	-7.93	44.32	ND		11.41	11.04	5.27	4.87	8806.02	162.93	11.31	7.4	-152.25	17.17	37.78	48.4	ND		357.74	43	4.56	3.51	32.6	2.42	65.02	35.86	-2.41	1.2	123.66	32.35	79.92	3.45	1477.14	295.6	167.7	4.62
9-Apr-12	16	18.37	twellman_5420	139	Blank	1	2	2			292.53	11.23	<LOD	24.69	<LOD	65.02	315.52	13.91	<LOD	159.33	<LOD	750.43	<LOD	32.95	<LOD	14.34	10534.4	176.45	<LOD	22.83	<LOD	45.71	<LOD	160.18	<LOD	0	524.67	47.75	<LOD	10.74	44.6	2.66	<LOD	104.42	<LOD	4.9	<LOD	100.76	102.57	3.69	1539.19	260.16	294.43	5.78
9-Apr-12	16	22.32	wilder 5434	174	NA	3	2	2			304	10	<LOD	22	<LOD	60	403	14	<LOD	102	<LOD	324	<LOD	28	<LOD	11	9414	145	<LOD	19	<LOD	46	151	45	<LOD	0	534	42	<LOD	9	38	2	<LOD	92	<LOD	4	<LOD	85	65	3	1461	328	197	4
9-Apr-12	16	20.46	embree 5444	139	BLANK		4	2			183.48	9.52	19.02	6.16	73.81	22.65	267.62	13.52	14.74	50.17	ND		14.88	12.93	-0.57	4.7	13545.02	218.56	34.19	8.95	-109.49	17.72	107.93	61.13	ND		393.86	47.23	12.71	3.72	42.12	2.72	46.2	36.48	1.05	1.61	106.53	32.77	150.78	4.67	2783.13	354.88	227.72	5.44
9-Apr-12	17	19.94	twellman_5420	139	Blank	1	2	4			340.98	13.56	<LOD	30.54	<LOD	75.7	293.55	15.08	<LOD	162.91	<LOD	931.97	<LOD	42.12	<LOD	15.76	13346.62	230.72	<LOD	27.54	<LOD	52.07	<LOD	198.54	<LOD	0	527.45	54.37	<LOD	11.88	42.38	2.94	<LOD	122.73	<LOD	5.12	<LOD	117.32	98.88	4.08	1850.56	318.27	238.06	5.85
9-Apr-12	17	23.98	wilder 5434	174	NA	3	2	2			236	10	<LOD	20	<LOD	64	151	9	<LOD	108	<LOD	337	<LOD	33	<LOD	13	13147	188	<LOD	21	<LOD	49	216	55	<LOD	0	532	44	<LOD	9	36	2	<LOD	103	<LOD	4	<LOD	94	60	3	2416	371	245	5
9-Apr-12	17	20.61	embree 5444	139	BLANK		4	2			153.69	8.74	12.32	5.59	61.71	22.66	287.52	13.93	43.77	51.37	ND		22.99	12.58	2.1	4.84	11620.57	196.79	23.94	8.37	-107.38	17.65	54.69	56	ND		339.09	44.59	5.44	3.61	41.67	2.69	-39.72	36.22	-0.45	1.45	64.73	32.69	100.53	3.86	1976.04	340	204.21	5.11
9-Apr-12	18	18.12	twellman_5420	139	Blank	1	2	4			249.65	10.14	<LOD	23.29	<LOD	62.91	231.16	11.7	<LOD	135.32	<LOD	749.55	<LOD	31.89	<LOD	13.62	10102.66	167.53	<LOD	21.21	<LOD	43.63	<LOD	154.49	<LOD	0	425.93	43.02	<LOD	10.29	39.55	2.47	<LOD	100.55	<LOD	4.03	<LOD	95.98	101.4	3.58	946.33	241.47	249.99	5.2
9-Apr-12	18	22.45	wilder 5434	174	NA	3	2	2			379	12	<LOD	25	<LOD	63	278	12	<LOD	101	<LOD	299	<LOD	29	<LOD	13	7942	135	<LOD	20	<LOD	49	227	44	<LOD	0	468	40	<LOD	9	38	2	<LOD	99	<LOD	4	<LOD	91	64	3	2149	336	245	5
9-Apr-12	18	20.02	embree 5444	139	BLANK		4	6			110.52	6.93	8.98	4.42	54.43	20.19	192.9	10.51	-35.11	38.91	ND		-11.67	8.82	-1.98	3.94	8381.28	146.27	6.23	6.4	-224.18	15.5	46.1	43.96	ND		357.57	39.48	8.32	3.27	32.54	2.23	29.42	31.11	1.75	1.4	97.85	28.38	68.67	3	947.67	253.4	166.63	4.25
9-Apr-12	19	19.23	twellman_5420	139	Blank	1	2	4			248.05	10.65	<LOD	24.13	<LOD	67.02	239.87	12.56	<LOD	155.06	<LOD	755.44	<LOD	33.75	<LOD	13.3	10119.07	176.68	<LOD	24.43	<LOD	46.62	<LOD	164.16	<LOD	0	318.67	41.83	<LOD	10.82	37.43	2.55	<LOD	106.04	<LOD	4.23	<LOD	102.54	87.32	3.54	846.2	244.9	234.79	5.3
9-Apr-12	19	22.16	wilder 5434	174	NA	3	2	4			297	10	<LOD	21	<LOD	58	236	10	<LOD	91	<LOD	289	<LOD	27	<LOD	11	7688	124	<LOD	17	<LOD	45	128	40	<LOD	0	413	36	9	3	44	2	<LOD	89	<LOD	4	<LOD	82	60	3	1455	302	194	4
9-Apr-12	19	20.84	embree 5444	139	BLANK		4	2			154.08	8.96	22.79	5.93	74.15	23.38	271	13.83	15.74	51.23	ND		10.37	12.57	-1.4	4.68	14425.83	232.35	27.39	8.73	-110.53	18.04	14.13	62.63	ND		583.51	54.46	-0.52	3.64	36.98	2.63	-0.65	36.81	1.2	1.62	36.14	33.43	118.57	4.25	3183.89	370.84	211.3	5.32
9-Apr-12	20	20.38	twellman_5420	139	Blank	1	2	6			228.02	11.39	<LOD	26.24	<LOD	74.7	297.28	15.41	<LOD	169.2	1158.47	360.27	<LOD	45.49	<LOD	14.9	15905.5	264.05	<LOD	26.81	<LOD	53.02	<LOD	219.3	<LOD	0	630.98	59.77	<LOD	12.51	54.71	3.29	<LOD	116.77	<LOD	5.02	<LOD	114.28	130	4.69	1806.96	348.11	276.37	6.42
9-Apr-12	20	21.98	wilder 5434	174	NA	3	2	4			181	8	<LOD	17	<LOD	58	252	11	<LOD	92	<LOD	286	<LOD	24	<LOD	12	6093	107	<LOD	18	<LOD	45	147	36	<LOD	0	230	30	<LOD	9	30	2	<LOD	90	<LOD	4	<LOD	82	52	2	880	282	187	4
9-Apr-12	20	20.22	embree 5444	139	BLANK		4	2			109.77	7.17	9.48	4.59	71.67	21.29	177.61	10.52	24.6	43.39	ND		-6.6	9.65	-3.06	4.04	8013.42	147.78	0.44	6.4	-154.4	16.47	80.43	45.39	ND		211.47	35.6	4.31	3.37	30.11	2.26	-28.79	33.67	-0.86	1.27	20.15	30.91	81.1	3.34	1719.39	285.45	172.89	4.5
9-Apr-12	21	20.52	twellman_5420	139	Blank	1	2	6			161.5	9.96	<LOD	23.34	<LOD	77.93	246.27	14.41	<LOD	169.57	<LOD	989.66	<LOD	41.26	<LOD	18.49	12208.66	226.23	<LOD	27.44	<LOD	54.4	<LOD	199.81	<LOD	0	583.94	58.06	12.82	4.2	37.74	2.92	<LOD	127.95	<LOD	4.94	<LOD	120.74	133.06	4.84	<LOD	922.82	203.83	5.7
9-Apr-12	21	22.93	wilder 5434	174	NA	3	2	4			377	12	<LOD	26	<LOD	66	285	13	<LOD	117	<LOD	314	<LOD	30	<LOD	15	10064	164	29	8	<LOD	51	<LOD	151	<LOD	0	415	42	<LOD	10	44	2	<LOD	104	<LOD	5	<LOD	94	71	3	1460	334	202	4
9-Apr-12	21	21.78	embree 5444	139	BLANK		4	8			90.86	7.12	8.31	4.56	38.98	22.54	162.74	10.86	48.61	48.79	ND		-0.02	10.66	-9.08	3.71	8431.57	163.83	13.57	7.7	-181.89	17.6	54.47	49.28	ND		178.13	37.11	3.55	3.61	36.12	2.59	19.05	35.45	-2.67	1.17	33.06	32.07	68.56	3.35	1159.03	292.72	150.44	4.57
9-Apr-12	22	20.52	twellman_5420	139	Blank	1	2	6			223.78	11.06	<LOD	25.73	<LOD	73.68	211.65	12.89	<LOD	163.99	<LOD	869.99	<LOD	36.25	<LOD	13.22	10203.72	193.97	<LOD	24.54	<LOD	51.4	<LOD	176.23	<LOD	0	604.47	55.69	<LOD	12.02	33.57	2.68	<LOD	119.53	<LOD	4.65	<LOD	114.78	81.64	3.75	1289.34	289.65	202.14	5.4
9-Apr-12	22	21.94	wilder 5434	174	NA	3	2	6			228	9	<LOD	19	<LOD	60	210	10	<LOD	102	<LOD	317	<LOD	30	<LOD	13	9887	148	<LOD	19	<LOD	46	194	46	<LOD	0	464	39	<LOD	9	42	2	<LOD	95	<LOD	4	<LOD	88	71	3	1962	337	247	4
9-Apr-12	22	20.2	embree 5444	139	BLANK		4	2			129.59	8.15	20.75	5.43	48.12	23.18	160.96	10.68	-34.67	48.69	ND		-2.37	11.84	2.26	4.82	14131.74	224.52	22.37	8.27	-61.56	17.93	49.72	61.38	ND		309.28	44.4	0.77	3.62	45.79	2.8	-44.74	37.16	-0.75	1.44	69.93	33.71	119.01	4.17	2325.34	354.87	245.98	5.6
9-Apr-12	23	19.06	twellman_5420	139	Blank	1	2	8			153.76	8.51	<LOD	19.33	<LOD	66.91	150.46	10.07	<LOD	150.12	<LOD	766.19	<LOD	32.86	<LOD	13.13	10352.45	177.48	<LOD	23.97	<LOD	46.01	<LOD	160.84	<LOD	0	345.21	42.34	<LOD	10.78	39.79	2.58	<LOD	105.89	<LOD	4.53	<LOD	101.39	84.26	3.45	1453.93	262.91	269.45	5.61
9-Apr-12	23	21.64	wilder 5434	174	NA	3	2	6			172	7	<LOD	16	<LOD	55	216	9	<LOD	88	<LOD	256	<LOD	27	<LOD	11	7957	121	<LOD	16	<LOD	43	125	38	<LOD	0	462	36	<LOD	8	33	2	<LOD	85	<LOD	4	<LOD	79	57	2	1825	285	193	4
9-Apr-12	23	22.59	embree 5444	139	BLANK		4	2			120.5	8.78	4.58	5.48	15.1	25.34	172.37	12.23	50.3	55.08	ND		-0.4	12.05	-8.79	4.22	9880.7	198.53	11.22	8.5	-149.23	19.59	35.36	57.66	ND		213.77	43.32	-0.12	3.97	33.15	2.76	-10.07	40.44	-2.99	1.31	58.92	36.64	72.48	3.76	1575.46	343.17	182.14	5.43
9-Apr-12	24	19.01	twellman_5420	139	Blank	1	2	8			164.31	8.96	<LOD	21.06	<LOD	68.7	191.66	11.5	<LOD	155.01	<LOD	814.11	<LOD	35.2	<LOD	14.23	11576.49	195.5	<LOD	24.58	<LOD	47.67	<LOD	179.42	<LOD	0	524.7	49.95	<LOD	11.24	41.5	2.69	<LOD	109.36	<LOD	3.88	<LOD	105.79	87.36	3.6	1843.64	285.34	354.46	6.64
9-Apr-12	24	21.83	wilder 5434	174	NA	3	2	6			184	8	<LOD	16	<LOD	57	227	10	<LOD	89	<LOD	292	<LOD	26	<LOD	13	7717	123	<LOD	17	<LOD	44	183	40	<LOD	0	357	34	<LOD	8	35	2	<LOD	88	<LOD	4	<LOD	81	63	3	1325	298	197	4
9-Apr-12	24	20.42	embree 5444	139	BLANK		4	2			129.95	7.86	10.24	5.02	58.33	21.94	246.81	12.54	15.84	46.12	ND		4.37	11.18	-2.31	4.27	10485.65	178.44	24.63	7.98	-179.27	16.73	101.96	52.52	ND		204.8	37.38	-2.46	3.39	33.77	2.41	19.9	35.01	-1.85	1.25	135.19	31.34	90.27	3.57	1325.02	288.32	178.53	4.67
9-Apr-12	25	19.63	twellman_5420	139	Blank	1	2	8			268.97	11.47	<LOD	26.2	<LOD	69.63	145.64	10.39	<LOD	165.18	<LOD	857.96	<LOD	35.46	<LOD	14.39	10010.96	181.76	<LOD	25.38	<LOD	48.42	<LOD	163.67	<LOD	0	448.32	48.05	<LOD	11.33	35.86	2.61	<LOD	110.62	<LOD	5.04	<LOD	107.05	85.46	3.63	1057.14	274.45	266.91	5.84
9-Apr-12	25	24.04	wilder 5434	103	NA	1	1	0			929	26	<LOD	51	<LOD	88	801	28	<LOD	177	<LOD	549	<LOD	53	<LOD	22	28411	439	113	15	<LOD	70	465	108	<LOD	0	432	62	20	4	23	3	<LOD	143	<LOD	8	<LOD	132	322	8	<LOD	1570	124	5
9-Apr-12	25	20.33	embree 5444	139	BLANK	3	2	30			144.84	8.61	14.02	5.56	47.57	23.41	215.6	12.3	8.13	49.84	ND		20.44	12.45	3.42	5	10767.68	189.31	22.09	8.41	-46.7	18.16	38.46	54.46	ND		352.75	45.21	-1.83	3.63	36.99	2.6	69.32	38.77	-1.18	1.43	130.54	34.69	106.89	4.01	2200.63	352.99	256.55	5.75
9-Apr-12	26	17.67	twellman_5420	139	Blank	1	2	10			109.69	6.69	<LOD	15.13	<LOD	59.78	101.14	7.72	<LOD	126.26	<LOD	627.21	<LOD	26.14	<LOD	9.67	5775.09	113.88	<LOD	18.09	<LOD	41.21	<LOD	111.19	<LOD	0	203.79	31.62	<LOD	9.57	30.93	2.14	<LOD	94.15	<LOD	3.51	<LOD	90.33	58.44	2.71	646.63	203.78	205.26	4.47
9-Apr-12	26	23.84	wilder 5434	103	NA	1	1	0			862	25	<LOD	50	<LOD	90	887	30	347	85	<LOD	563	<LOD	73	<LOD	23	48321	680	146	17	77	24	453	139	<LOD	0	453	72	66	5	15	2	<LOD	146	<LOD	7	<LOD	136	334	8	1925	582	126	5
9-Apr-12	26	18.29	embree 5444	139	BLANK	3	2	30			95.96	6.09	1.68	3.77	79.91	19.3	132.95	8.35	12.39	37.29	ND		4.6	8.6	-2.45	3.61	6113.08	113.49	14.78	6.38	-181.17	14.7	36.7	35.72	ND		188.58	30.36	1.1	2.98	23.49	1.87	-59.64	30.55	-2.62	0.98	86.34	27.69	59.09	2.65	1065.62	234.45	148.99	3.8
9-Apr-12	27	18.72	twellman_5420	139	Blank	1	2	10			166.39	8.66	<LOD	19.83	<LOD	65.53	121.81	9.04	<LOD	126.31	<LOD	745.34	<LOD	31.17	<LOD	11.92	9217.48	162.54	<LOD	21.77	<LOD	44.96	<LOD	150.48	<LOD	0	368.14	41.63	<LOD	10.74	41.3	2.57	<LOD	104.41	<LOD	4.43	<LOD	99.76	75.96	3.26	1281.31	252.19	278.54	5.61
9-Apr-12	27	23.84	wilder 5434	103	NA	1	1	0			463	17	<LOD	35	<LOD	84	900	28	<LOD	139	<LOD	411	<LOD	43	<LOD	17	14384	257	227	18	118	23	<LOD	221	<LOD	0	484	56	<LOD	12	22	2	<LOD	137	<LOD	6	<LOD	126	268	7	<LOD	1248	105	5
9-Apr-12	27	20.05	embree 5444	139	BLANK	3	2	30			158.66	8.79	18.07	5.72	29.19	22.71	236.6	12.56	-1.22	49.02	ND		13.66	11.93	1.33	4.75	13124.17	210.87	14.59	7.82	-64.83	17.67	-29.7	57.39	ND		399.39	46.62	8.1	3.65	48.2	2.81	-0.25	36.53	0.82	1.56	66.85	33.66	93.8	3.71	2372.7	346.37	258.24	5.63
9-Apr-12	28	18.8	twellman_5420	139	Blank	1	2	10			145.74	8.34	<LOD	18.66	<LOD	67.03	107.75	8.78	<LOD	138.88	<LOD	782.31	<LOD	34.52	<LOD	11.99	9676.78	171.04	<LOD	23.44	<LOD	46.74	<LOD	158.51	<LOD	0	317.27	41.07	<LOD	11.07	43.03	2.66	<LOD	107.78	<LOD	3.86	<LOD	103.34	73.96	3.29	1683.28	272.5	279.99	5.74
9-Apr-12	28	24.1	wilder 5434	103	NA	1	1	0			962	26	<LOD	53	<LOD	87	724	26	<LOD	173	<LOD	507	<LOD	59	<LOD	21	24554	392	130	16	<LOD	69	<LOD	291	<LOD	0	363	58	21	4	21	3	<LOD	141	<LOD	8	<LOD	130	303	8	1719	519	124	5
9-Apr-12	28	2.93	embree 5444	139	BLANK	3	2	2			157.76	21.16	31.75	14.44	90.75	53.98	195.5	27.96	-49.44	112.04	ND		4.31	27.58	12.14	13.31	10492.29	441.04	41.7	21.86	-35.68	43.03	64.69	128.71	ND		297.22	101.89	-4.36	8.5	34.9	6.03	-102.13	89.69	-1.74	3.34	207.8	81.38	98.47	9.17	2463.57	892.19	252.82	13.5
9-Apr-12	29	20.15	twellman_5420	139	Blank	2	2	55			125.92	8.75	<LOD	19.93	<LOD	76.2	95.07	9.27	<LOD	172.47	<LOD	934.96	<LOD	39.88	<LOD	14.94	11691.06	213.95	<LOD	26.44	<LOD	52.86	<LOD	189.93	<LOD	0	374.23	49.17	<LOD	12.99	46.99	3.07	<LOD	123.95	<LOD	5.23	<LOD	118.98	90.4	3.97	1315.64	304.61	398.16	7.72
9-Apr-12	29	23.76	wilder 5434	103	NA	1	1	0			1030	26	<LOD	52	<LOD	84	635	23	<LOD	163	<LOD	518	<LOD	57	<LOD	20	25753	386	126	15	<LOD	65	331	97	<LOD	0	499	60	<LOD	12	21	2	<LOD	133	<LOD	7	<LOD	122	227	6	<LOD	1531	122	5
9-Apr-12	29	19.05	embree 5444	139	BLANK	3	2	30			185.93	8.93	4.45	5.54	104.57	21.85	228.92	11.73	-55.2	42.06	ND		17.08	11.01	-3.94	4.1	10386.34	171.56	26.96	7.93	-85.51	16.63	-14.96	48.89	ND		360.32	41.77	-1.52	3.35	37.04	2.41	68.71	34.83	0.82	1.48	174.53	31.22	98.08	3.58	2013.35	317.89	246.64	5.22
9-Apr-12	30	18.48	twellman_5420	139	Blank	2	3	8			167.74	8.77	<LOD	19.17	<LOD	65.85	181.66	10.84	<LOD	134.73	<LOD	812.25	<LOD	35.32	<LOD	12.59	10387.64	176.29	<LOD	22.51	<LOD	46.19	<LOD	161.86	<LOD	0	348.5	41.89	<LOD	10.56	35.59	2.46	<LOD	106.62	<LOD	4.76	<LOD	102.37	83.73	3.41	1285.44	266.43	243.31	5.29
9-Apr-12	30	23.13	wilder 5434	103	NA	1	1	2			779	19	<LOD	39	<LOD	68	578	19	<LOD	121	<LOD	371	<LOD	41	<LOD	16	14505	219	119	12	<LOD	54	343	65	<LOD	0	330	43	14	3	20	2	<LOD	107	<LOD	6	<LOD	99	137	4	<LOD	1103	139	4
9-Apr-12	30	19.56	embree 5444	139	BLANK	3	2	30			163.76	8.64	4.1	5.37	97.89	22.47	223.64	11.91	37.42	48.56	ND		12.37	10.74	-3.41	4.23	9577.99	167.06	34.37	8.46	-79.25	17.1	-39.78	47.8	ND		260.28	39.37	2.55	3.47	41.41	2.58	-36.97	36.49	-0.96	1.38	145.17	32.99	80.81	3.38	1529.78	318.38	236.35	5.23
9-Apr-12	31	18.78	twellman_5420	139	Blank	2	3	8			151.26	8.26	<LOD	18.92	<LOD	64.72	185.28	10.79	<LOD	135.63	<LOD	704.23	<LOD	31.54	<LOD	12.1	9613.44	166.01	<LOD	20.72	<LOD	44.96	<LOD	152.65	<LOD	0	283.4	38.68	<LOD	10.47	31.09	2.31	<LOD	100.94	<LOD	4.17	<LOD	97.63	77.5	3.26	1436.33	248.34	237	5.16
9-Apr-12	31	23.59	wilder 5434	103	NA	1	1	2			790	21	<LOD	43	<LOD	75	588	21	<LOD	138	<LOD	417	<LOD	40	<LOD	20	16840	263	101	13	<LOD	59	222	73	<LOD	0	313	46	26	4	21	2	<LOD	119	<LOD	6	<LOD	110	151	5	1522	426	111	4
9-Apr-12	31	19.49	embree 5444	139	BLANK	3	2	4			180.65	9.23	10.91	5.84	81.09	22.93	303.93	14.03	130.03	54.01	ND		9	11.99	9.22	5.33	12223.79	199.3	9.2	7.56	-59.49	17.53	54.71	56.35	ND		433.75	47.4	-0.12	3.62	49.44	2.82	70.44	37.24	0.46	1.56	137.23	33.91	98.45	3.76	3200.11	350.83	334.15	6.37
9-Apr-12	32	53.97																																																						
9-Apr-12	32	23.99	wilder 5434	103	NA	1	1	2			944	26	<LOD	52	<LOD	86	660	24	<LOD	195	<LOD	530	<LOD	60	<LOD	21	29712	446	82	14	<LOD	67	530	109	<LOD	0	465	63	<LOD	12	17	2	<LOD	137	<LOD	7	<LOD	125	188	6	1919	540	129	5
9-Apr-12	32	20.23	embree 5444	139	BLANK	3	2	30			146.03	8.25	6.41	5.18	71.94	21.86	192.09	11.13	53.85	47.74	ND		7.05	10.29	-1.38	4.32	8531.38	156.3	23.43	7.89	-158.79	16.78	-17.27	45.8	ND		297.49	40.24	-5.49	3.39	40.17	2.56	-45.31	35.45	-0.7	1.36	122.16	32.01	76.12	3.31	1879.1	315.31	217.74	5.06
9-Apr-12	33	19.35	stroh_5420	174	NA	1	4	0			149.88	9.38	<LOD	21.61	<LOD	77.54	213.74	13.09	<LOD	183.47	<LOD	981.09	47.53	15.44	<LOD	14.87	16672.76	270.19	<LOD	28.12	<LOD	53.87	<LOD	218.39	<LOD	0	966.27	69.4	<LOD	12.44	68.68	3.57	<LOD	124.89	<LOD	4.62	<LOD	120.52	164.16	5.19	2048.47	334.23	415.2	7.93
9-Apr-12	33	23.74	wilder 5434	103	NA	1	1	4			507	17	<LOD	35	<LOD	78	468	19	<LOD	161	<LOD	456	<LOD	43	<LOD	16	18644	291	34	10	<LOD	62	<LOD	234	<LOD	0	530	56	<LOD	12	43	3	<LOD	126	<LOD	5	<LOD	116	116	4	4209	533	272	6
9-Apr-12	33	20.27	embree 5444	139	BLANK	3	2	30			135.84	8.07	6.68	5.09	65.86	22.63	191.86	11.27	-3.22	45.68	ND		5.24	10.73	5.04	4.88	9943.3	174.22	12.61	7.49	-141.55	17.09	-9.25	50.01	ND		353.72	43.16	-4.9	3.46	37.48	2.52	7.03	36.61	-4.26	1.09	182.56	33.25	77.73	3.39	1403.2	297.34	236.9	5.33
9-Apr-12	34	19.86	stroh_5420	174	NA	1	4	0			132.9	9.15	<LOD	20.48	<LOD	79.06	185.49	12.58	<LOD	203.74	<LOD	1088.77	<LOD	47.53	<LOD	14.25	17218.59	282.98	<LOD	29.32	<LOD	54.86	<LOD	231.17	<LOD	0	621.19	61.45	<LOD	12.85	57.85	3.42	<LOD	129.28	<LOD	5.09	<LOD	124.76	194.52	5.79	1949.68	356.08	359.27	7.53
9-Apr-12	34	44.81																																																					
9-Apr-12	34	20.51	embree 5444	174	BLANK	1	2	0			157.1	9.02	10.39	5.73	47.19	23.77	224.56	12.66	38.5	51.85	ND		31.71	12.74	-2.99	4.56	11299.87	197.36	21.15	8.5	-60.52	18.29	-69.52	54.49	ND		365.5	46.4	-2.54	3.69	44.21	2.81	7.21	38.82	-0.86	1.48	169.33	35.28	94.48	3.84	1938.62	339.99	274.63	6
9-Apr-12	35	19.75	stroh_5420	174	NA	1	4	2			187.64	10.38	<LOD	23.5	<LOD	76.3	242.89	13.93	<LOD	187.24	<LOD	1025.65	<LOD	40.98	<LOD	16.55	16770.46	271.76	29.6	9.64	<LOD	53.58	<LOD	215.59	<LOD	0	647.2	60.45	<LOD	12.56	67.7	3.56	<LOD	122.14	<LOD	5.07	<LOD	118.88	158.2	5.12	2334.29	350.17	407.42	7.86
9-Apr-12	35	23.55	wilder 5434	103	NA	1	1	4			515	17	<LOD	35	<LOD	76	510	19	<LOD	139	<LOD	428	<LOD	44	<LOD	16	17265	269	55	11	<LOD	60	397	76	<LOD	0	634	57	<LOD	12	46	3	<LOD	122	<LOD	6	<LOD	113	118	4	2688	468	293	6
9-Apr-12	35	57.26																																																						
9-Apr-12	36	19.37	stroh_5420	174	NA	1	4	0			160.99	9.63	<LOD	21.46	<LOD	77.88	247.24	13.92	<LOD	183.03	<LOD	1002.36	<LOD	41.65	<LOD	13.53	14335.25	242.71	<LOD	25.54	<LOD	53.14	<LOD	208.59	<LOD	0	525.79	55.45	<LOD	12.57	69.84	3.58	<LOD	124.5	<LOD	4.72	<LOD	120.53	121.09	4.48	1192.64	314.56	377.9	7.45
9-Apr-12	36	23.52	wilder 5434	103	NA	1	1	4			605	17	<LOD	36	<LOD	73	558	19	<LOD	131	<LOD	395	<LOD	42	<LOD	15	17240	259	60	11	<LOD	57	432	74	<LOD	0	583	54	<LOD	11	41	3	<LOD	115	<LOD	6	<LOD	106	103	4	1910	418	161	4
9-Apr-12	36	20.26	embree 5444	174	BLANK	1	2	0			385.74	14.95	7.32	9.1	82.48	25.96	319.66	16.3	446.04	93.29	ND		56.78	21.99	15.29	6.64	45473.92	593.13	62.03	11.84	-19.82	20.22	300.05	120.13	ND		690.33	74.15	-2.84	3.96	44.9	3.09	45.96	41.9	2.72	2.11	151.74	38.46	81.23	3.92	4804.91	514.49	234.96	5.98
9-Apr-12	37	57.29																																																					
9-Apr-12	37	25.04	wilder 5434	103	NA	1	1	6			474	15	<LOD	33	<LOD	72	511	19	<LOD	123	<LOD	383	<LOD	43	<LOD	16	17771	265	73	11	<LOD	57	364	74	<LOD	0	456	50	13	4	38	3	<LOD	117	<LOD	6	<LOD	108	107	4	3708	463	219	5
9-Apr-12	37	19.64	embree 5444	174	BLANK	1	2	0			240.26	10.41	15.46	6.59	55.96	22.58	254.51	12.77	20.95	48.97	ND		18.18	11.93	16.56	5.74	11412.38	188.75	15.51	7.75	-107.2	17.13	25.24	53.56	ND		536.33	49.67	1.15	3.53	45.71	2.71	17.63	35.92	-0.18	1.54	83.69	32.88	99.28	3.73	2032.58	331.86	278.67	5.74
9-Apr-12	38	19.38	stroh_5420	174	NA	1	4	2			147	9.14	<LOD	20.91	<LOD	74.99	229.33	13.28	<LOD	182.06	<LOD	1001.99	<LOD	41.17	<LOD	16.33	15439.82	251.62	<LOD	26.6	<LOD	52.01	<LOD	203.97	<LOD	0	502.25	54.31	<LOD	12.07	66.17	3.45	<LOD	122.84	<LOD	4.83	<LOD	117.99	128.21	4.54	1331.75	317.01	390.36	7.49
9-Apr-12	38	24.76	wilder 5434	103	NA	1	1	6			417	15	<LOD	30	<LOD	77	337	15	<LOD	147	<LOD	457	<LOD	43	<LOD	18	17059	263	32	10	<LOD	60	292	74	<LOD	0	334	47	13	4	42	3	<LOD	126	<LOD	6	<LOD	116	121	4	3368	502	373	7
9-Apr-12	38	20.75	embree 5444	174	BLANK	1	2	0			201.91	9.95	1.78	6.12	32.58	23.2	198.96	11.8	89.71	51.28	ND		-9.56	10.41	-6.55	4.15	8549.12	163.51	0.93	7.03	-100.03	17.86	80.79	49.72	ND		252.29	40.38	-5.89	3.56	41.12	2.7	66.26	37.59	-3.73	1.23	59.78	33.77	89.71	3.71	1705.72	310.44	230.5	5.45
9-Apr-12	39	18.94	stroh_5420	174	NA	1	4	2			80.25	5.97	<LOD	13.51	<LOD	60.02	148.41	9.12	<LOD	124.14	<LOD	654.29	<LOD	31.4	<LOD	11.65	9862.49	157.05	<LOD	20.49	<LOD	41.64	<LOD	141.33	<LOD	0	224.15	33.98	<LOD	9.88	42.86	2.4	<LOD	93.28	<LOD	4.01	<LOD	90.36	66.22	2.85	1372.74	229.61	218.98	4.62
9-Apr-12	39	23.84	wilder 5434	103	NA	1	1	6			368	14	<LOD	30	<LOD	79	349	16	<LOD	142	<LOD	440	<LOD	43	<LOD	15	13889	238	42	11	<LOD	61	<LOD	205	<LOD	0	435	51	16	4	46	3	<LOD	126	<LOD	6	<LOD	116	109	4	3047	490	250	6
9-Apr-12	39	19.14	embree 5444	174	BLANK	1	2	0			189.93	9.24	4.3	5.73	55.53	22.41	249.88	12.55	52.67	48.44	ND		0.48	10.59	-6.44	4.04	9740.68	169.18	19.02	7.76	-75.67	17.13	29.35	49.49	ND		332.84	42.06	3.49	3.52	44.06	2.65	-17.86	36.53	-3	1.26	190.54	32.91	98.87	3.69	1808.87	309.9	274.19	5.65
9-Apr-12	40	15.24	stroh_5420	174	NA	1	4	4			123.64	10.23	<LOD	23.31	<LOD	88.74	193.8	14.79	<LOD	226.4	<LOD	1180.42	<LOD	54.16	<LOD	19.44	17662.28	331.87	<LOD	33.66	<LOD	62.43	<LOD	276.44	<LOD	0	572.49	68.94	<LOD	14.69	63.91	4.09	<LOD	139.37	<LOD	5.91	<LOD	138.32	161.85	6.09	1584.52	384.4	372.76	8.81
9-Apr-12	40	23.26	wilder 5434	103	NA	1	1	8			539	17	<LOD	35	<LOD	76	520	19	<LOD	155	<LOD	465	<LOD	46	<LOD	17	18440	278	83	12	<LOD	59	<LOD	223	<LOD	0	982	67	<LOD	12	50	3	<LOD	120	<LOD	5	<LOD	112	120	4	3512	511	334	6
9-Apr-12	40	19.86	embree 5444	174	BLANK	1	2	2			253.23	10.46	16.78	6.63	5.81	21.69	276.16	13.02	38.21	47.35	ND		-7.6	9.84	-5.06	4.15	9420.27	164.13	13.96	7.34	-144.1	16.62	27.63	48.16	ND		509.31	47.23	-7.8	3.34	38.77	2.5	42.01	34.51	-2.37	1.34	138.5	31.52	79.08	3.32	1429.57	299.96	239.88	5.23
9-Apr-12	41	17.87	stroh_5420	174	NA	1	4	2			59.31	5.36	<LOD	11.53	<LOD	59.9	118.1	8.29	<LOD	129.57	<LOD	634.39	<LOD	29.71	<LOD	11.57	8186.96	140.81	<LOD	18.04	<LOD	41.5	<LOD	129.92	<LOD	0	153.95	30.9	<LOD	9.54	31.62	2.16	<LOD	93.73	<LOD	3.71	<LOD	89.24	53.07	2.63	628.42	205.97	170.84	4.15
9-Apr-12	41	24.7	wilder 5434	103	NA	1	1	8			774	20	<LOD	41	<LOD	77	829	24	<LOD	136	<LOD	436	<LOD	47	<LOD	18	20222	292	137	14	<LOD	59	<LOD	232	<LOD	0	544	54	<LOD	11	42	3	<LOD	121	<LOD	6	<LOD	112	148	5	2795	473	250	6
9-Apr-12	41	19.77	embree 5444	174	BLANK	1	2	2			243.43	10.35	20.28	6.64	49.5	22.21	268.57	12.98	-1.53	43.93	ND		4.66	10.9	0.77	4.64	8502.44	155.31	25.36	8.03	-108.21	16.94	110.6	47.82	ND		432.85	44.59	-4.37	3.41	41.92	2.59	52.45	35.75	-2.37	1.35	115.94	32.26	71.6	3.22	1860.49	302.47	239.82	5.27
9-Apr-12	42	18.73	stroh_5420	174	NA	1	4	2			148.83	8.38	<LOD	18.61	<LOD	66.1	227.91	12.09	<LOD	146.46	<LOD	837.53	38.44	12.54	<LOD	12.75	13189.35	207.09	<LOD	22.28	<LOD	45.98	<LOD	172.82	<LOD	0	485.19	47.81	<LOD	10.64	49.72	2.8	<LOD	104.56	<LOD	4.44	<LOD	99.72	89.73	3.53	1874.42	287.41	263.82	5.54
9-Apr-12	42	23.04	wilder 5434	103	NA	1	1	8			440	14	<LOD	30	<LOD	71	305	14	<LOD	133	<LOD	358	<LOD	38	<LOD	14	13991	215	33	9	<LOD	54	263	63	<LOD	0	540	49	<LOD	10	33	2	<LOD	114	<LOD	5	<LOD	104	104	4	1791	383	245	5
9-Apr-12	42	19.21	embree 5444	174	BLANK	1	2	2			309.59	11.28	6.75	6.94	21.67	21.42	300.05	13.26	-18.29	41.95	ND		-3.96	9.96	-0.12	4.48	8931.81	155.26	13.34	7.19	-112.61	16.38	60.32	46.57	ND		490.54	45.19	-1.62	3.34	40.3	2.48	-77.9	34.27	-1.11	1.44	90.99	31.23	82.65	3.31	1694.55	287.57	258.72	5.31
9-Apr-12	43	18.92	stroh_5420	174	NA	1	4	6			76.43	6.5	<LOD	14.95	<LOD	67.87	187.15	11.19	<LOD	154.82	<LOD	853.38	<LOD	35.41	<LOD	12.17	11430.1	191.2	<LOD	21.71	<LOD	46.8	<LOD	169.97	<LOD	0	381.71	44.67	<LOD	10.64	43.68	2.69	<LOD	107.64	<LOD	4.26	<LOD	104.16	93.98	3.65	1015.44	269.75	242.86	5.4
9-Apr-12	43	22.96	wilder 5434	103	NA	1	1	8			356	13	<LOD	26	<LOD	69	340	14	<LOD	128	<LOD	354	<LOD	35	<LOD	11	13667	208	42	9	<LOD	54	260	61	<LOD	0	349	42	<LOD	10	29	2	<LOD	111	<LOD	5	<LOD	101	108	4	1800	378	238	5
9-Apr-12	43	20.67	embree 5444	174	BLANK	1	2	4			263.36	11.15	9.8	6.94	-11.01	22.43	242.62	12.82	-17.29	46.2	ND		6.01	10.98	-2.88	4.49	8850.78	165.15	27.37	8.43	-162.82	17.32	30.18	48.97	ND		484.79	48.21	1.54	3.6	41.27	2.68	19.05	36.5	-1.31	1.48	150.21	32.77	68.46	3.28	1006.14	301.81	236.49	5.42
9-Apr-12	44	19.86	stroh_5420	174	NA	1	4	2			115.43	8.32	<LOD	18.1	<LOD	74.37	195.95	12.49	<LOD	170.73	<LOD	894.54	<LOD	40.32	<LOD	16.26	13067.05	227.8	<LOD	25.96	<LOD	52.26	<LOD	195.13	<LOD	0	641.39	58.13	<LOD	12.28	57.74	3.29	<LOD	121.28	<LOD	4.12	<LOD	116.47	104.05	4.17	1345.71	296.94	323.19	6.82
9-Apr-12	44	22.85	wilder 5434	103	NA	1	1	8			312	11	<LOD	24	<LOD	66	376	14	<LOD	116	<LOD	333	<LOD	35	<LOD	14	9368	157	29	8	<LOD	51	<LOD	144	<LOD	0	423	42	12	3	30	2	<LOD	104	<LOD	5	<LOD	95	81	3	2063	363	230	5
9-Apr-12	44	11.31	embree 5444	174	BLANK	1	2	4			265.79	15.05	3.79	9.24	24.63	30.89	249.71	17.47	51.09	64.21	ND		-2.62	13.23	-5.31	5.76	7638.18	202.68	39.58	12	-147.3	23.34	-18.47	60.3	ND		430.16	61.66	4.56	4.83	38.67	3.51	-25.97	49.92	-0.36	2.07	141.86	44.55	59.97	4.19	1215.95	382.48	212.79	6.93
9-Apr-12	45	21.59	stroh_5420	103	NA	1	2	0			1825.54	38.62	<LOD	76.24	<LOD	87.12	907.6	30.14	<LOD	234.79	<LOD	1196.22	72.41	20.92	<LOD	23.7	30250.46	462.73	196.73	18.07	73.51	20.33	<LOD	323.42	<LOD	0	306.63	60.84	<LOD	12.79	27.56	3.07	<LOD	145.27	<LOD	9.62	<LOD	139.62	221.09	6.75	1422.82	378.98	124.31	5.26
9-Apr-12	45	23.16	wilder 5434	103	NA	3	1	0			602	17	<LOD	35	<LOD	69	500	18	<LOD	124	<LOD	385	<LOD	40	<LOD	15	16181	237	57	10	<LOD	55	<LOD	198	<LOD	0	321	43	<LOD	10	36	2	<LOD	110	<LOD	6	<LOD	101	99	4	2672	425	204	5
9-Apr-12	45	19.03	embree 5444	174	BLANK	1	2	4			230.32	9.55	8.89	5.97	77.36	20.73	275.98	12.43	-46.94	38.36	ND		11.98	10.6	-1.34	4.19	8042.71	141.98	11.23	6.89	-168.71	15.72	120.55	44.38	ND		341.34	38.84	2.77	3.28	40.17	2.41	12.06	32.95	-1.65	1.3	92.91	29.99	64.43	2.92	1487.66	272.16	237.16	4.95
9-Apr-12	46	19.98	stroh_5420	103	NA	1	2	0			1189.18	27.33	<LOD	56.34	<LOD	77.81	705.54	24.25	<LOD	196.21	<LOD	932.75	<LOD	50.01	<LOD	19.56	19450.44	306.89	177.53	15.85	<LOD	53.73	<LOD	243.82	<LOD	0	382.16	53.83	<LOD	11.76	22.59	2.58	<LOD	126.35	<LOD	7.23	<LOD	120	163.57	5.32	1042.25	301.28	106.58	4.5
9-Apr-12	46	23.4	wilder 5434	103	NA	3	1	30			424	14	<LOD	31	<LOD	74	407	16	<LOD	135	<LOD	387	<LOD	39	<LOD	15	16072	245	<LOD	27	<LOD	57	258	69	<LOD	0	326	45	<LOD	11	45	3	<LOD	116	<LOD	5	<LOD	107	105	4	3411	454	237	5
9-Apr-12	46	2.02	embree 5444	174	BLANK	1	2	6			118.54	23.31	24.67	15.9	1.78	65.82	122.23	28.19	-87.24	104.17	ND		20.33	32.78	-0.58	13.21	6576.27	414.23	16.21	22.95	-239.02	50.54	-5.36	126.42	ND		305.41	119.52	-24.59	9.89	38.38	7.76	134.72	107.66	-1.48	3.92	52.59	95.33	42.68	8.26	170.31	594.02	223.65	15.79
9-Apr-12	47	20.74	stroh_5420	103	NA	1	2	0			833.03	21.49	<LOD	46.06	<LOD	75.56	619.18	21.77	<LOD	185.65	<LOD	876.79	50.59	16.37	<LOD	16.68	19769.03	299.2	94.07	12.43	<LOD	52.14	<LOD	236.52	<LOD	0	278.4	48.2	<LOD	11.18	36.6	2.82	<LOD	123.75	<LOD	6.44	<LOD	119.65	122.6	4.47	1369.6	295.79	173.43	5.08
9-Apr-12	47	22.79	wilder 5434	103	NA	3	1	30			510	15	<LOD	30	<LOD	67	429	16	<LOD	128	<LOD	367	<LOD	37	<LOD	16	15228	217	40	9	<LOD	52	431	64	<LOD	0	293	40	10	3	41	2	<LOD	104	<LOD	5	<LOD	96	93	3	2917	410	209	5
9-Apr-12	47	20.44	embree 5444	174	BLANK	1	2	6			218	9.89	14.31	6.28	49.9	22.17	220.62	11.88	-23.55	42.16	ND		10.7	10.68	-5.57	4.08	8088.13	151.71	8.13	7.15	-154.07	16.83	27.36	45.6	ND		427.22	44.35	4.36	3.5	36.72	2.48	30.62	35.06	-2.5	1.3	63.96	31.75	63.09	3.08	1386.05	283.52	220.17	5.09
9-Apr-12	48	19.33	stroh_5420	103	NA	1	2	2			682.33	19.28	<LOD	42.14	<LOD	75.63	533.15	20.21	<LOD	172.27	<LOD	926.01	56.95	16.11	<LOD	15.59	18863.16	289.72	108.2	12.96	<LOD	52.11	<LOD	228.59	<LOD	0	294.94	48.26	<LOD	11.7	38.93	2.87	<LOD	122.52	<LOD	6.13	<LOD	117.76	125.86	4.52	1251.22	301.56	203.65	5.44
9-Apr-12	48	23.27	wilder 5434	103	NA	3	1	30			364	13	<LOD	28	<LOD	74	328	15	<LOD	128	<LOD	406	<LOD	38	<LOD	15	15138	235	34	10	<LOD	58	315	68	<LOD	0	308	44	<LOD	11	51	3	<LOD	119	<LOD	5	<LOD	110	95	4	2743	447	251	5
9-Apr-12	48	19.74	embree 5444	174	BLANK	1	2	6			178.07	8.69	13.68	5.56	57.24	21.18	237.36	11.85	-13.16	41.28	ND		-7.62	9.4	-1.97	4.18	7518.74	139.74	4.92	6.62	-169.58	16.13	75.16	43.39	ND		311.08	38.65	5.52	3.38	38.32	2.42	-4.52	34.01	-1.27	1.31	101.78	30.74	64.07	2.99	1326.73	277.52	221.05	4.91
9-Apr-12	49	18.72	stroh_5420	103	NA	1	2	0			467.46	14.66	<LOD	32.38	<LOD	68.69	395.5	16.14	<LOD	168.18	<LOD	855.16	<LOD	38.83	<LOD	15.39	16551.3	245.2	97.08	11.45	<LOD	47.35	<LOD	203.79	<LOD	0	317.84	44.88	<LOD	10.74	46.7	2.81	<LOD	108.94	<LOD	5.52	<LOD	104.44	108.96	3.92	914.43	269.38	208	5.07
9-Apr-12	49	22.97	wilder 5434	103	NA	3	1	0			353	13	<LOD	27	<LOD	74	328	15	<LOD	137	<LOD	435	<LOD	44	<LOD	18	20096	282	46	10	<LOD	57	<LOD	224	<LOD	0	367	47	15	4	65	3	<LOD	118	<LOD	4	<LOD	109	117	4	3881	493	308	6
9-Apr-12	49	21.65	embree 5444	174	BLANK	1	2	8			196.32	10.17	7.91	6.36	50.96	23.86	206.21	12.39	-18.1	44.91	ND		3.35	10.9	-5.49	4.37	8144.91	164.06	5.85	7.6	-142.48	18.24	-6.1	48.58	ND		340.72	44.38	0.51	3.75	43.36	2.84	-45.48	38.13	0.2	1.59	99.98	34.35	63.93	3.34	2211.68	327.27	229.6	5.6
9-Apr-12	50	20.6	stroh_5420	103	NA	1	2	0			566.83	17.62	<LOD	39	<LOD	76.5	538.62	20.47	<LOD	189.23	<LOD	1023.3	<LOD	49.07	<LOD	16.55	22333.24	329.74	105.43	12.94	<LOD	53.19	<LOD	252.36	<LOD	0	322.19	51.43	<LOD	12.22	56.56	3.32	<LOD	124.42	<LOD	6.04	<LOD	118.89	153.04	5	1886.66	339.1	285.79	6.46
9-Apr-12	50	22.79	wilder 5434	103	NA	3	1	0			670	17	<LOD	36	<LOD	68	583	19	<LOD	142	<LOD	391	<LOD	40	<LOD	16	17605	245	58	10	<LOD	54	261	68	<LOD	0	291	42	15	3	39	2	<LOD	108	<LOD	6	<LOD	100	111	4	2631	424	213	5
9-Apr-12	50	18.91	embree 5444	174	BLANK	1	2	8			239.23	9.8	15.81	6.22	31.74	21.01	264.7	12.28	1.19	41.76	ND		17.89	10.29	-2.94	4.12	8539.32	148.51	16.97	7.23	-175.3	15.82	-39.05	43.2	ND		462.69	43.43	-1.87	3.26	36.71	2.35	7.17	33.99	-0.82	1.38	115.96	30.93	68.97	3.02	1567	276.14	239.13	5.01
9-Apr-12	51	20.63	stroh_5420	103	NA	1	2	4			400.43	14.43	<LOD	31.92	<LOD	75.18	314.81	15.37	<LOD	178.38	<LOD	929.08	62.73	16.27	<LOD	17.05	19123.91	289.05	69.39	11.32	<LOD	51.86	<LOD	228.09	<LOD	0	306.53	48.33	<LOD	12.06	63.51	3.38	<LOD	121.49	<LOD	5.3	<LOD	118.12	111.11	4.22	2144.5	324.2	312.15	6.57
9-Apr-12	51	24.55	wilder 5434	103	NA	3	1	2			424	14	<LOD	29	<LOD	70	431	16	<LOD	124	<LOD	379	<LOD	38	<LOD	16	15508	228	48	10	<LOD	54	<LOD	189	<LOD	0	420	45	<LOD	10	44	3	<LOD	112	<LOD	5	<LOD	103	97	4	2526	415	224	5
9-Apr-12	51	19.94	embree 5444	174	BLANK	1	2	8			189.74	9.26	10.74	5.84	31.26	21.99	211.12	11.58	30.11	45.6	ND		7.87	10.39	-4.77	4.09	9128.33	162.57	14.62	7.45	-143.88	16.78	-33.01	46.9	ND		449.15	45.39	-9.5	3.36	45.33	2.67	-6.67	35.12	1.16	1.54	114.6	32	68.39	3.17	1536.27	285.42	244.07	5.32
9-Apr-12	52	19.92	stroh_5420	103	NA	1	2	4			493.61	15.12	<LOD	33.59	<LOD	69.11	368.2	15.62	<LOD	169.41	<LOD	897.49	67.65	15.4	<LOD	15.16	17960.28	260.15	82.82	11.15	<LOD	47.78	<LOD	208.78	<LOD	0	325.29	45.81	<LOD	11.18	51.17	2.92	<LOD	110.91	<LOD	5.67	<LOD	106.81	101.01	3.81	1372.67	290.2	258.63	5.61
9-Apr-12	52	23.48	wilder 5434	103	NA	3	1	2			470	16	<LOD	33	<LOD	75	454	18	<LOD	141	<LOD	460	<LOD	41	<LOD	18	18828	282	56	11	<LOD	59	315	77	<LOD	0	525	54	13	4	59	3	<LOD	118	<LOD	5	<LOD	109	115	4	3833	515	283	6
9-Apr-12	52	20.37	embree 5444	174	BLANK	3	3	2			250.34	10.78	11.56	6.75	-19.13	22.72	260.14	13.09	-4.08	45.77	ND		0.08	10.83	-1.93	4.53	8549.88	159.71	19.33	7.93	-137.39	17.24	92.56	48.79	ND		430.15	45.72	-3.65	3.52	44.53	2.72	-52.59	36.51	1.89	1.68	113.15	33.04	65.79	3.2	1708.03	316.34	252	5.52
9-Apr-12	53	19.08	stroh_5420	103	NA	1	2	4			523.78	16.32	<LOD	35.58	<LOD	71.9	410.55	17.25	<LOD	188.9	<LOD	884.59	<LOD	42.87	<LOD	13.96	18423.06	277.69	82.21	11.54	<LOD	50.13	<LOD	220.27	<LOD	0	411.88	51.28	<LOD	11.3	47.32	2.98	<LOD	117.95	<LOD	5.38	<LOD	113.47	103.35	4.03	1447.5	295.61	261.67	5.92
9-Apr-12	53	23.3	wilder 5434	103	NA	3	1	2			542	17	<LOD	34	<LOD	74	498	18	<LOD	136	<LOD	446	<LOD	40	<LOD	16	17364	261	42	10	<LOD	58	<LOD	214	<LOD	0	415	49	<LOD	11	50	3	<LOD	119	<LOD	5	<LOD	109	99	4	2331	463	250	5
9-Apr-12	53	20.39	embree 5444	174	BLANK	3	3	2			226.33	10.46	7.21	6.51	53.85	23.57	267.58	13.52	40.36	50.23	ND		6.1	11.38	4.73	5.14	9825.12	177.57	11.99	7.77	-90.85	17.83	34.04	51.84	ND		446.61	47.87	-4.38	3.59	46.74	2.82	-26.17	38.09	-1.79	1.44	140.44	34.57	66.23	3.27	1642.58	321.62	257.5	5.69
9-Apr-12	54	19.97	stroh_5420	103	NA	1	2	6			309.76	12.13	<LOD	27	<LOD	71.88	230.38	12.61	<LOD	169.61	<LOD	864.54	<LOD	41.64	<LOD	15.32	16329.4	246.83	30.6	9.01	<LOD	49.17	<LOD	202.86	<LOD	0	337.3	46.1	<LOD	11.23	63.76	3.21	<LOD	115.18	<LOD	5.15	<LOD	110.67	93.52	3.73	1583.47	290.41	301.84	6.14

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
9-Apr-12	54	22.53	stroh 5434	301	NA				sunset		92	6	<LOD	14	<LOD	64	58	6	<LOD	106	<LOD	341	<LOD	30	<LOD	13	9065	148	<LOD	20	<LOD	49	218	47	<LOD	0	377	39	10	3	45	2	<LOD	100	<LOD	4	<LOD	93	84	3	1804	355	250	5
9-Apr-12	54	21.77	embree 5444	174	BLANK	3	3	2			226.13	11.33	-1.05	6.89	-23.92	25.2	172.38	11.96	-69.33	45.89	ND		-0.25	11.29	-5.96	4.56	8601.07	177.45	22.61	8.99	-109.78	19.28	-15.44	51.88	ND		521.23	53.54	-1.67	3.93	39.68	2.88	17.87	40.39	-2.71	1.46	123.94	36.68	60.97	3.44	1461.24	335.98	253.38	6.13
9-Apr-12	55	19.82	stroh_5420	103	NA	1	2	6			409.32	13.41	<LOD	30.01	<LOD	66.92	343.91	14.74	<LOD	157.96	<LOD	819.85	<LOD	39.05	<LOD	14.23	16477.87	239.55	59.47	9.87	<LOD	46.46	<LOD	196.33	<LOD	0	308.61	43.4	<LOD	10.77	51.6	2.85	<LOD	107.01	<LOD	4.74	<LOD	103.67	93.3	3.59	1480.65	274.87	243.62	5.32
9-Apr-12	55	23.83	wilder 5434	301	NA				sunset		74	6	<LOD	12	<LOD	62	51	6	<LOD	99	<LOD	312	<LOD	28	<LOD	12	8810	140	<LOD	20	<LOD	47	158	44	<LOD	0	403	38	9	3	47	2	<LOD	98	<LOD	4	<LOD	90	77	3	1808	332	254	5
9-Apr-12	55	21.96	embree 5444	174	BLANK	3	3	4			200.99	10.63	8.83	6.66	77.94	24.84	218.16	13.17	-97.04	42.04	ND		-5.27	11.18	1.63	5.19	7692.63	163.91	8.74	8.07	-119.66	19.04	82.3	50.73	ND		314.52	44.55	-3.38	3.83	40.2	2.86	-9.5	40.45	-1.86	1.49	129.34	36.21	58.72	3.35	1665.21	335.98	214.12	5.6
9-Apr-12	56	20.86	stroh_5420	103	NA	1	2	6			397.23	14.27	<LOD	32.31	<LOD	73.05	308.04	15.09	<LOD	189.69	<LOD	953.45	<LOD	45.62	<LOD	16.46	19622.67	292.32	60.69	10.77	<LOD	51.33	<LOD	233.34	<LOD	0	352.05	50.09	<LOD	11.83	63.08	3.35	<LOD	119.14	<LOD	5.32	<LOD	113.8	110	4.18	2035.19	324.93	306.6	6.46
9-Apr-12	56	22.3	Sushmita_5434	301	NA				sunset pk		63	5	<LOD	12	<LOD	61	48	6	<LOD	100	<LOD	301	<LOD	28	<LOD	11	8582	138	<LOD	19	<LOD	47	163	44	<LOD	0	199	31	<LOD	9	45	2	<LOD	96	<LOD	4	<LOD	87	78	3	1668	321	216	4
9-Apr-12	56	20.35	embree 5444	174	BLANK	3	3	4			262.73	11.3	1.34	6.9	69.56	23.29	301.2	14.42	-42.79	45.6	ND		0.84	10.79	0.28	4.88	9924.65	179.77	38.63	9.17	-109.09	17.84	-43.09	51.09	ND		520.46	50.36	-1.88	3.66	49.45	2.91	1.54	37.85	0.22	1.63	175.94	34.52	75.67	3.47	1806.11	328.18	283.28	6.01
9-Apr-12	57	20.02	stroh_5420	103	NA	1	2	8			134.17	8.15	<LOD	18.75	<LOD	70.15	126.36	9.47	<LOD	162.02	<LOD	891.32	<LOD	41.18	<LOD	14.25	15859.86	237.75	<LOD	24.21	<LOD	48.35	<LOD	196.26	<LOD	0	262.07	42.45	<LOD	11.13	65.5	3.18	<LOD	114.03	<LOD	4.2	<LOD	107.95	99.83	3.76	1679.1	295.56	314.66	6.17
9-Apr-12	57	23.51	wilder 5434	301	NA						70	5	<LOD	12	<LOD	60	50	6	<LOD	98	<LOD	307	<LOD	28	<LOD	12	9087	139	<LOD	20	<LOD	46	<LOD	128	<LOD	0	306	34	<LOD	9	50	2	<LOD	95	<LOD	4	<LOD	88	87	3	1830	326	254	4
9-Apr-12	57	18.66	embree 5444	174	BLANK	3	3	4			193.65	8.66	4.93	5.38	87.11	20.66	323.88	13.2	18.8	40.97	ND		8.94	9.63	0.67	4.25	7365.68	132.38	2.11	6.26	-159.64	15.5	22.82	40.4	ND		288.7	36.35	-3.65	3.15	37.09	2.3	-37.48	33.02	-2.06	1.21	60.79	29.86	61.1	2.81	1577.85	269.81	225.76	4.75
9-Apr-12	58	19.68	stroh_5420	103	NA	1	2	8			333.53	12.83	<LOD	29.35	<LOD	70.44	282.76	14.19	<LOD	165.8	<LOD	832.74	<LOD	41.88	<LOD	14.23	14768.3	235.41	51.64	10.13	<LOD	48.42	<LOD	197.71	<LOD	0	241.52	42.72	<LOD	10.81	48.62	2.94	<LOD	111.78	<LOD	5.37	<LOD	107.55	84.51	3.65	<LOD	779.86	214.09	5.3
9-Apr-12	58	22.16	stroh 5434	301	NA				sunset pk		58	5	<LOD	11	<LOD	61	43	5	<LOD	97	<LOD	298	<LOD	29	<LOD	11	8158	132	<LOD	18	<LOD	47	264	44	<LOD	0	249	32	<LOD	9	48	2	<LOD	95	<LOD	4	<LOD	88	78	3	2258	333	237	4
9-Apr-12	58	19.89	embree 5444	174	BLANK	3	3	6			185.58	9.06	11.21	5.74	56.22	21.89	277.63	13.06	-75.35	39.45	ND		12.65	10.42	-4.78	4.11	7847.94	146.67	19.44	7.65	-128.31	16.7	-12.11	43.63	ND		399.28	42.68	-2.8	3.39	36.56	2.44	31.11	35.03	-0.68	1.39	129.09	31.7	54.32	2.87	1139.86	287.41	239.09	5.2
9-Apr-12	59	56.01																																																				
9-Apr-12	59	22.12	stroh 5434	301	NA				sunset pk		69	6	<LOD	12	<LOD	62	47	6	<LOD	83	<LOD	288	<LOD	28	<LOD	10	7022	122	<LOD	17	<LOD	48	195	41	<LOD	0	233	31	<LOD	9	43	2	<LOD	98	<LOD	3	<LOD	91	78	3	1613	311	222	4
9-Apr-12	59	19.98	embree 5444	174	BLANK	3	3	6			132.14	8.09	1.67	4.99	72.06	22.98	179.11	11.03	71.31	51.47	ND		26.37	12.17	-5.12	4.14	10355.94	180.6	7.45	7.43	-96.51	17.5	-6.13	51.61	ND		386.52	45.38	-1.79	3.59	45.99	2.75	-30.38	37.29	-1.35	1.37	166.37	33.98	65.69	3.2	1688.86	320.84	289.57	5.94
9-Apr-12	60	20.86	stroh_5420	103	NA	1	2	8			271.06	11.4	<LOD	25.43	<LOD	70.54	161.24	10.78	<LOD	154	<LOD	841.34	<LOD	36.91	<LOD	13.86	13122.27	214.07	36.49	9.19	<LOD	48.82	<LOD	187.13	<LOD	0	274.59	42.43	<LOD	11.02	48.92	2.9	<LOD	112.9	<LOD	4.65	<LOD	108.17	75.31	3.42	796.98	263.98	259.1	5.69
9-Apr-12	60	22.49	stroh 5434	302	NA				billy porter pk		53	5	<LOD	11	<LOD	63	31	5	<LOD	103	<LOD	352	<LOD	31	<LOD	11	10559	163	<LOD	19	<LOD	49	<LOD	147	<LOD	0	490	42	<LOD	10	51	2	<LOD	100	<LOD	4	<LOD	91	78	3	2255	374	303	5
9-Apr-12	60	20.46	embree 5444	174	BLANK	3	3	6			187.28	9.66	1.84	5.93	26.6	23.81	142.63	10.19	27.44	51.17	ND		20.05	12.4	3.95	5.02	10758.05	189.06	3.02	7.39	-57.37	18.09	24.96	54.16	ND		639.6	54.64	-4.17	3.66	46.67	2.83	-34.1	39.29	1.39	1.66	105.51	35.38	78.32	3.51	1960.54	343.97	307.91	6.27
9-Apr-12	61	18.18	stroh_5420	103	NA	3	2	30			446.51	14.21	<LOD	31.14	<LOD	69.71	296.07	13.87	<LOD	162.67	<LOD	856	<LOD	38.08	<LOD	13.15	13105.4	208.25	36.04	8.97	<LOD	47.59	<LOD	182.54	<LOD	0	423.58	46.77	<LOD	10.62	51.89	2.9	<LOD	112.89	<LOD	5.08	<LOD	107.09	83.83	3.48	1319.93	278.59	255.88	5.51
9-Apr-12	61	22.46	stroh 5434	302	NA				billy porter pk		49	5	<LOD	11	<LOD	65	43	6	<LOD	114	<LOD	354	<LOD	32	<LOD	12	11415	172	<LOD	20	<LOD	50	<LOD	154	<LOD	0	439	42	<LOD	10	50	2	<LOD	101	<LOD	4	<LOD	93	78	3	2342	380	316	5
9-Apr-12	61	19.01	embree 5444	174	BLANK	3	3	8			155.05	8.68	-3.96	5.23	60.92	22.9	207.61	11.81	-91.13	38.65	ND		14.31	11.16	-6.05	4.05	7328.69	146.18	0.38	6.88	-140.08	17.3	55.49	45.22	ND		320.1	41.03	0.5	3.56	39.76	2.61	16.93	36.39	-2.07	1.3	78.74	33	67.89	3.25	1135.4	287.95	237.51	5.4
9-Apr-12	62	18.05	stroh_5420	103	NA	3	2	30			392.35	12.61	<LOD	27.44	<LOD	64.31	301.53	13.27	<LOD	135.64	<LOD	682.68	<LOD	32.89	<LOD	11.78	9764.1	163.43	31.12	8.28	<LOD	43.81	<LOD	143.84	<LOD	0	215.13	35.41	<LOD	9.91	33.24	2.33	<LOD	100.47	<LOD	4.54	<LOD	96.36	69.66	3.06	864.84	226.1	184.68	4.49
9-Apr-12	62	22.36	stroh 5434	302	NA				billy porter pk		53	5	<LOD	11	<LOD	65	49	6	<LOD	103	<LOD	328	<LOD	30	<LOD	13	9953	158	<LOD	20	<LOD	50	148	48	<LOD	0	671	47	12	3	48	2	<LOD	102	<LOD	3	<LOD	94	77	3	2862	376	304	5
9-Apr-12	62	57.25																																																				
9-Apr-12	63	17.95	stroh_5420	103	NA	3	2	30			624.62	16.4	<LOD	36.22	<LOD	66.1	374.87	15.11	<LOD	150.18	<LOD	728.35	<LOD	31.84	<LOD	14.19	10974.3	179.8	54.64	9.4	<LOD	45.3	<LOD	159.84	<LOD	0	211.95	37.01	<LOD	10.44	34.34	2.43	<LOD	105.44	<LOD	4.8	<LOD	100.74	73.41	3.2	702.57	232.97	204.85	4.81
9-Apr-12	63	22.49	stroh 5434	302	NA				billy porter pk		47	5	<LOD	11	<LOD	63	50	6	<LOD	107	<LOD	348	<LOD	33	<LOD	12	10654	164	<LOD	18	<LOD	49	<LOD	147	<LOD	0	383	39	<LOD	10	50	2	<LOD	100	<LOD	4	<LOD	92	78	3	2775	385	315	5
9-Apr-12	63	20.78	embree 5444		NIST 2586						411.15	15.58	5.48	9.44	97.49	26.36	326.35	16.62	169.39	84.91	ND		38.98	22.71	4.95	6.03	46698.16	613.64	36.9	10.89	24.34	20.73	562.82	125.41	ND		645.64	73.56	3.28	4.1	51.46	3.3	63.29	42.69	-3.09	1.76	126.95	38.95	82.25	3.99	4919.52	536.64	249.89	6.23
9-Apr-12	64	18.93	stroh_5420	103	NA	3	2	2			303.17	11.53	<LOD	25.99	<LOD	69.31	265.28	12.94	<LOD	168.8	<LOD	895.94	<LOD	36.21	<LOD	15.41	15604.62	229.94	31.99	8.59	<LOD	47.43	<LOD	194.57	<LOD	0	426.65	47.15	<LOD	10.77	59.32	3	<LOD	114.03	<LOD	4.69	<LOD	109.06	87.28	3.48	1751.13	295.62	306.07	5.93
9-Apr-12	64	22.54	stroh 5434	302	NA				billy porter pk		43	5	<LOD	11	<LOD	64	48	6	<LOD	94	<LOD	347	<LOD	32	<LOD	12	10117	160	<LOD	19	<LOD	50	263	50	<LOD	0	522	43	<LOD	10	48	2	<LOD	101	<LOD	4	<LOD	93	76	3	2491	378	309	5
9-Apr-12	64	20.81	embree 5444	103	NIST 2586	1	3	0			657.26	19.54	17.62	11.68	45.19	25.47	430.31	18.67	63.19	64.74	ND		23.27	16.25	0.15	5.79	21685.03	331.24	97.34	12.91	-30.39	19.89	109.23	82.7	ND		411.54	56.16	6.49	4.02	47.84	3.17	20.88	41.08	2.04	2.23	109.99	37.2	163.42	5.32	2614.9	412.46	231.31	5.99
9-Apr-12	65	18.08	stroh_5420	103	NA	3	2	2			307.92	11.66	<LOD	27.04	<LOD	68.46	232.12	12.23	<LOD	165.69	1008.17	299.9	<LOD	37.21	<LOD	13.76	13883.85	213.47	41.72	9.09	<LOD	46.7	<LOD	181.98	<LOD	0	183.98	38.34	<LOD	10.59	52.08	2.86	<LOD	107.81	<LOD	4.67	<LOD	103.56	84.19	3.44	1194.86	282.78	250.9	5.39
9-Apr-12	65	22.86	stroh 5434		blank						<LOD	9	<LOD	6	<LOD	63	14	4	<LOD	70	<LOD	201	<LOD	19	<LOD	11	<LOD	46	<LOD	17	<LOD	49	<LOD	32	<LOD	0	<LOD	35	9	3	<LOD	3	<LOD	99	<LOD	3	<LOD	91	<LOD	4	<LOD	535	<LOD	6
9-Apr-12	65	21.92	embree 5444	103	NIST 2586	1	3	0			676.47	21.48	25.45	12.92	34.73	27.82	493.96	21.72	53.24	68.59	ND		24.02	17.4	-3.28	6.1	21702.8	360.41	127.02	15.28	-6.6	21.8	52.79	88.87	ND		353.61	58.56	-1.66	4.23	32.03	3	-5.73	45.66	-8.15	1.67	217.5	41.75	184.6	6.13	1575.37	388.99	190.79	6.02
9-Apr-12	66	17.85	stroh_5420	103	NA	3	2	2			306.11	11.69	<LOD	26.45	<LOD	68.7	246.18	12.65	<LOD	159.08	<LOD	833.32	<LOD	38.46	<LOD	14.96	13323.65	209.07	46.81	9.41	<LOD	47.75	<LOD	178.99	<LOD	0	375.46	44.93	<LOD	10.85	55.18	2.94	<LOD	113.03	<LOD	4.44	<LOD	106.6	88.85	3.54	<LOD	777.04	293.8	5.87
9-Apr-12	66	23.2	stroh 5434		2711						1234	28	112	19	<LOD	82	327	16	<LOD	173	<LOD	501	<LOD	56	25	8	26111	373	64	13	75	21	496	95	<LOD	0	561	60	<LOD	12	102	4	<LOD	131	<LOD	9	<LOD	120	249	6	2887	532	247	6
9-Apr-12	66	21.38	embree 5444	103	NIST 2586	1	3	0			577.62	18.8	22.14	11.41	13.25	26.21	428.41	19.25	136.42	68.31	ND		26.31	15.78	13.6	6.88	20348.22	326.79	122.6	14.28	-69.39	20.33	-73.61	80.34	ND		371.87	55.97	-4.83	4.04	36.77	2.97	-73.7	43.32	-2.05	1.98	156.65	39.3	142.26	5.13	2693.02	405.6	239.5	6.27
9-Apr-12	67	18.27	stroh_5420	103	NA	3	2	4			219.46	10.36	<LOD	24.17	<LOD	72.48	142.19	10.25	211.22	63.38	<LOD	922.06	<LOD	40.51	<LOD	14.51	16287.61	248.03	37.6	9.35	<LOD	50.09	<LOD	200.47	<LOD	0	363.55	47.77	<LOD	11.27	62.1	3.19	<LOD	118.85	<LOD	4.48	<LOD	113.13	92.19	3.73	2212.6	317.9	305.62	6.21
9-Apr-12	67	23.3	stroh 5434		2586						451	16	<LOD	34	<LOD	81	306	16	<LOD	209	<LOD	606	<LOD	70	<LOD	18	49378	625	45	11	<LOD	64	785	130	<LOD	0	933	78	<LOD	12	51	3	<LOD	128	<LOD	6	<LOD	119	81	4	7416	712	242	6
9-Apr-12	67	20.74	embree 5444	103	NIST 2586	1	3	2			340.25	12.73	28.79	8.11	25.16	22.61	403.7	16.55	-22.31	47.94	ND		3.74	12.09	-7.81	4.31	14648.38	230.69	45.46	9.42	-181.71	17.38	30.71	62.26	ND		215.52	41	2.02	3.55	33.62	2.52	38.35	35.94	-1.43	1.55	172.22	32.91	93.14	3.75	1234.18	293.86	161.75	4.65
9-Apr-12	68	58.38																																																				
9-Apr-12	68	23.25	stroh 5434		4315						278	11	<LOD	24	<LOD	71	845	23	<LOD	110	<LOD	302	<LOD	27	<LOD	15	3162	89	74	10	<LOD	55	<LOD	93	<LOD	0	577	47	<LOD	10	8	2	<LOD	111	<LOD	5	<LOD	104	297	6	<LOD	776	51	3
9-Apr-12	68	21.87	embree 5444	103	NIST 2586	1	3	2			378.71	15.26	9.1	9.34	56.03	26.86	253.76	15.06	96.71	66.19	ND		24.74	15.31	7.32	6.21	17022.76	290.86	71.05	12.18	-65.26	20.55	-23.69	74.97	ND		257.2	50.61	4.12	4.15	48.49	3.28	-50.05	44.37	-2.3	1.77	115.99	39.85	90.06	4.22	1202.02	373.08	218.22	6.01
9-Apr-12	69	20.95	stroh_5420		2711						1207.4	27.6	130.27	20.12	<LOD	78.94	328.6	16.55	<LOD	182.98	<LOD	1053.75	<LOD	54.04	<LOD	24.34	26298.4	382.17	111.03	13.53	<LOD	55.4	<LOD	280.59	<LOD	0	453.61	58.59	<LOD	12.31	123.65	4.83	<LOD	128.32	<LOD	8.05	<LOD	121.57	254.83	6.68	2347.08	361.35	258.64	6.44
9-Apr-12	69	22.81	stroh 5434		2710						5910	90	728	47	<LOD	89	7101	112	<LOD	241	<LOD	694	<LOD	71	99	17	38413	565	2864	67	<LOD	72	482	127	<LOD	0	9748	242	28	4	125	5	<LOD	144	<LOD	16	<LOD	134	337	9	2911	698	114	5
9-Apr-12	69	22.18	embree 5444	103	NIST 2586	1	3	2			413.96	16.1	24.1	10.03	74.3	26.68	324.31	17.04	110.16	65.13	ND		16.17	13.92	-11.88	4.65	14962.28	268.42	78.68	12.55	-93.7	20.56	-121.65	69.42	ND		251.27	49.6	-0.82	4.09	41.17	3.12	47.38	43.23	-0.47	1.94	191.87	39.07	107.17	4.58	1705.45	378.21	181.88	5.62
9-Apr-12	70	54.51																																																				
9-Apr-12	70	23.28	stroh 5434		5861						63	7	51	6	<LOD	80	134	14	640	74	<LOD	412	1009	42	<LOD	15	15307	246	2895	58	133	21	323	71	<LOD	0	<LOD	126	12	4	18	2	<LOD	128	<LOD	5	<LOD	117	116	4	<LOD	1176	63	3
9-Apr-12	70	20.3	embree 5444	103	NIST 2586	1	3	4			353.23	13.58	31.44	8.66	26.44	24.84	279.41	14.5	46.68	57.82	ND		12.88	13.54	16.14	6.33	16773.99	264.67	47.62	10.14	-79.18	18.78	-20.05	68.73	ND		344.39	49.45	-7.36	3.75	46.81	2.98	56.73	40.78	-0.43	1.77	118.83	36.49	94.96	3.97	2367.72	378.13	273.79	6.16
9-Apr-12	71	20.8	stroh_5420		2586						420.65	16.15	<LOD	36.47	<LOD	82.78	330.19	17.16	357.66	94.49	<LOD	1361.6	106.11	23.66	<LOD	18.49	52187.61	683.22	78.2	12.99	79.14	19.45	<LOD	403.62	<LOD	0	697.72	78.21	<LOD	12.87	49.35	3.36	<LOD	135.1	<LOD	5.6	133.36	43.66	90.5	4.23	5087.31	493.73	251.9	6.42
9-Apr-12	71	23.98	embree 5444	103	NIST 2586	1	3	4			271.16	13.33	13.03	8.34	41.21	27.72	266.15	15.86	-47.65	56.09	ND		22.91	15.27	10.63	6.58	14830.65	272.42	90.43	13.43	-11.85	21.48	-17.71	72.26	ND		223.15	48.57	3.43	4.31	44.49	3.26	-2.43	44.88	-1.81	1.76	184.55	40.89	87.87	4.3	1066.02	350.34	241.77	6.49
9-Apr-12	72	20.37	stroh_5420		5861						60.79	6.57	44.98	6.05	84.8	26.17	149.39	15.48	1251.68	107.51	<LOD	872.53	1042.94	42.81	<LOD	15.54	16990.15	269.29	2874.17	60.03	116.1	18.12	<LOD	222.29	<LOD	0	167.4	48.2	<LOD	11.05	26.71	2.47	<LOD	129.23	<LOD	5.41	<LOD	123.29	117.47	4.36	<LOD	766.17	75.58	3.86
9-Apr-12	72	20.57	embree 5444	103	NIST 2586	1	3	4			335.2	13.24	26.45	8.4	24.4	24.46	278.8	14.5	8.99	54.45	ND		5.91	12.89	0.6	5.2	16201.46	258.7	69.91	11.05	-88.21	18.73	-40.7	67.33	ND		299.97	47.31	-1.73	3.77	50.64	3.07	17.12	40.32	-1.73	1.64	114.38	36.26	90.71	3.89	1683.78	341.78	241.4	5.8
9-Apr-12	73	18.5	stroh_5420		2710						5315.6	83.98	642.39	47.78	<LOD	87.69	6947.3	113.57	<LOD	290.95	<LOD	1357.4	<LOD	68.08	61.54	16.3	36972.74	562.02	2985.89	70.94	<LOD	62.3	<LOD	374.62	<LOD	0	9275.3	240.98	<LOD	13.73	131.45	5.85	<LOD	141.04	<LOD	15.3	141.25	45.41	321.82	8.62	1475.32	417.87	113.24	5.52
9-Apr-12	73	23.86	embree 5444	103	NIST 2586	1	3	6			255.98	14.85	29.25	9.63	20.97	31.66	210.63	16.2	77.39	75.01	ND		21.56	17.39	-1.77	6.34	15209.37	317.78	45.92	13.09	-102.08	24.17	-31.96	83.21	ND		241.19	57.5	-15.27	4.75	45.68	3.77	-49.74	51.61	-0.1	2.17	103.34	47.02	80.33	4.75	1641.19	451	257.24	7.67
9-Apr-12	74	19.98	stroh_5420		4315						294.42	11.59	<LOD	26.13	<LOD	71.25	886.63	24.37	<LOD	147.2	<LOD	702.61	<LOD	27.15	<LOD	15.49	2795.98	85.76	110.01	11.87	57.35	16.4	<LOD	86.65	<LOD	0	610.68	49	<LOD	10.09	12.84	1.93	<LOD	116.97	<LOD	4.59	<LOD	111.26	289.42	6.35	<LOD	591.4	36.42	3.36
9-Apr-12	74	21	embree 5444	103	NIST 2586	1	3	6			304.64	12.85	19.15	8.1	26.69	25.32	227.67	13.38	168.86	63.68	ND		40.4	14.86	-4.69	4.79	15745.01	258.17	37.47	9.88	-71.51	19.15	-28.54	67.72	ND		424.99	53	-0.41	3.87	50.5	3.11	-36.75	40.51	-0.67	1.72	159.73	37.18	81.96	3.8	2155.55	361.22	253.3	6.03
9-Apr-12	75	20.41	stroh_5420		Blank						<LOD	8.96	<LOD	5.85	<LOD	66.59	<LOD	8.1	<LOD	94.67	<LOD	533.58	<LOD	21.77	<LOD	10.07	<LOD	44.94	<LOD	16.9	<LOD	45.85	<LOD	28.34	<LOD	0	<LOD	54.57	<LOD	9.19	<LOD	3.57	<LOD	107.88	<LOD	3.77	<LOD	102.72	<LOD	4.52	<LOD	484.05	<LOD	6.48
9-Apr-12	75	20.18	embree 5444	103	NIST 2586	1	3	6			408.12	14.58	33.13	9.22	54.99	25.16	349.15	16.14	84.34	59.9	ND		66.35	15.44	3.3	5.53	17343.58	270.71	71.61	11.32	-85.7	18.73	-181.18	67.54	ND		471.61	54.06	-2.73	3.77	51.13	3.08	-54.61	40.45	-1.33	1.75	165.47	36.7	84.03	3.77	2048.51	363.45	257.17	5.96
9-Apr-12	76	21.43	embree 5444	103	NIST 2586	1	3	8			255.12	11.99	10.53	7.48	12.6	25.35	188.47	12.48	105.84	61.83	ND		9.88	13.87	-1.07	5.1	14560.09	248.94	36.49	9.9	-72.68	19.49	76.1	67.92	ND		403.96	52.61	-3.17	3.94	50.24	3.16	-4.9	40.97	-2.89	1.52	226.97	37.4	81.06	3.85	2064.34	378.96	278.92	6.43
9-Apr-12	77	20.73	embree 5444	103	NIST 2586	1	3	8			362.98	13.52	8.23	8.29	73.87	23.88	263.19	13.86	64.25	54	ND		-13.48	11.76	-0.43	5	14979.64	240.99	58.04	10.28	-123.84	18.2	35.41	64.85	ND		301.97	45.96	-1.76	3.73	52.89	3.07	21.34	37.98	-4.06	1.44	158.81	34.83	84	3.71	2233	327.26	262.33	5.93
9-Apr-12	78	20.42	embree 5444	103	NIST 2586	1	3	8			360.89	13.55	27.8	8.58	67.95	24.48	315.47	15.17	102.96	58.83	ND		3.28	12.99	-2.51	4.95	15699.84	249.69	58.11	10.41	-98.09	18.43	54.03	66.8	ND		247.9	45.01	1.74	3.76	56.85	3.17	-7.29	39.05	-1.75	1.64	228.32	35.63	83.11	3.7	1422.41	330.34	242.93	5.73
9-Apr-12	79	53.55																																																				
9-Apr-12	80	19.29	jackson 5444		nist2710						5679.49	91.04	629.46	41.46	-18.13	30.21	7348.23	121.62	1.82	97.86	ND		0.57	22.86	89.61	17.2	37942.02	588.48	3059.56	74.22	-25.37	23.91	-139.02	122.89	ND		9787.95	255.69	12.98	4.67	129.21	5.96	36.19	49.75	-2.91	5.37	89.2	45.35	346.21	9.24	2429.18	543.3	120.19	5.71
9-Apr-12	81	20.1	jackson 5444		nist 2711						1143.96	26.83	105.89	16.04	34.94	26.19	321.55	16.36	66.22	66.78	ND		20.02	16.47	14.1	7.26	23727.4	355.26	102.58	13.32	24.34	20.34	56.04	86.06	ND		379.62	56.43	3.2	4.02	110.27	4.57	60.19	43.29	1.21	2.59	127.82	39.28	233.69	6.42	1944.74	388.25	242.92	6.23
9-Apr-12	82	20.39	jackson 5444		NIST 2586						405.84	15.75	11.26	9.63	67.97	27.28	365.86	17.88	210.34	89.25	ND		84.87	23.41	7.71	6.38	49726.41	656.86	63.85	12.44	31.71	21.14	65.97	126.66	ND		611.19	74.85	0.54	4.15	52.17	3.37	-0.89	44.45	-0.12	2.02	36.43	40.33	86.2	4.13	5021.35	551.51	256.53	6.42
9-Apr-12	83	19.85	jackson 5444		PES4315						301.45	11.76	9.84	7.3	47.43	23.59	907.55	24.79	114.83	49.83	ND		16.31	9.73	-6.28	4.73	3334.32	93.21	151.82	13.22	9	17.94	-74.73	29.11	ND		542.78	48.13	4.6	3.36	10.53	1.85	47.35	37.45	-0.77	1.52	86.91	33.99	326.05	6.88	-145.15	227.99	40.64	3.47
9-Apr-12	84	20.14	jackson 5444		PES4315						260.96	11.03	17.63	7	31.48	23.49	888.56	24.6	33.96	45.02	ND		0.18	8.73	-10.87	4.33	2892.44	86.89	135.07	12.68	-5.83	17.94	-44.24	28.21	ND		552.42	48.17	-1.18	3.31	12.04	1.89	46.64	37.77	1.78	1.67	122.19	34.14	293.37	6.51	-137.83	230.73	39.65	3.42
9-Apr-12	85	20.33	jackson 5444		PES 5861						49.6	6.21	44.88	5.06	113.97	26.71	147.57	15.17	1080.56	100.76	ND		804.48	37.89	3.27	5.46	13396.69	233.89	3537.92	69.79	119.23	20.37	15.33	64.26	ND		123.4	45.6	2.18	3.71	26.61	2.48	-3.98	44.04	3.77	1.83	123.94	39.86	104.66	4.24	1014.7	301.84	68.97	3.82
9-Apr-12	86	20.32	jackson 5444		PES 5861						43.91	6.01	45.61	4.97	114.32	26.67	131.11	13.94	796.52	92.68	ND		925.53	40.18	1.55	5.28	14114.32	241.34	2762.46	59.85	97.71	20.22	-41.45	64.72	ND		132.9	45.45	7.16	3.78	25	2.43	83.44	43.86	5.98	1.98	124.07	39.52	112.48	4.36	359.82	330.67	87.95	4.07
9-Apr-12	87	20.02	jackson 5444		BLANK						3.42	3.08	-0.51	1.72	-1.5	21.45	12.94	4.02	27.45	35.08	ND		-5.14	6.04	2.01	4	43.82	16.08	-2.61	5.46	9.36	16.3	-22.95	8.41	ND		-17.4	16.99	-0.46	2.96	3.01	1.3	-23.25	34.48	1.46	1.22	55.49	31.08	1.51	1.46	-237.56	172	-3.2	2.08
10-Apr-12	1	53.71																																																				
10-Apr-12	1	46.65																																																				
10-Apr-12	1	55.99																																																				
10-Apr-12	2	20.6	wilder_5420		5861						49.18	6.12	47.78	5.83	<LOD	77.57	101.83	14.38	1110.84	102	<LOD	843.2	1053.62	42.6	<LOD	17.59	15607.45	253.35	2903.6	60.22	81.06	17.87	<LOD	208.5	<LOD	0	212.46	48.45	<LOD	11.12	24.07	2.39	<LOD	128.67	<LOD	5.28	<LOD	120.09	118.8	4.37	<LOD	769.07	74.97	3.84
10-Apr-12	2	23.05	jackson 5434		5861						59	6	45	6	<LOD	76	109	13	766	76	<LOD	402	976	40	<LOD	16	14530	230	2803	55	68	20	259	67	<LOD	0	215	45	14	3	20	2	<LOD	123	<LOD	5	<LOD	112	107	4	<LOD	1095	61	3
10-Apr-12	2	18.83	jackson 5444		nist2710						5338.9	82.6	656.68	38.7	19.09	28.35	6800.57	109.2	8.52	90.91	ND		-8.89	20.95	75.8	15.67	35259.43	528.45	2847.81	67.68	-85.11	22.32	-75.46	113.65	ND		9164.26	234.29	10	4.38	127.85	5.63	-20.89	46.66	-13.22	4.66	118.91	42.22	313.01	8.32	1533.17	476.46	111.47	5.27
10-Apr-12	3	20.54	wilder_5420		2711						1108.31	26.04	130	19.22	<LOD	78.67	324.19	16.29	<LOD	212.99	<LOD	1051.49	<LOD	45.96	24.69	8.14	25103.55	365.78	106.9	13.04	58.88	18.33	<LOD	278.03	<LOD	0	495.99	59.73	<LOD	12.01	110.39	4.54	<LOD	128.22	<LOD	9.01	<LOD	123.94	244.25	6.47	1861.7	346.96	246.17	6.22
10-Apr-12	3	23.15	jackson 5434		2586						444	16	<LOD	33	<LOD	80	313	16	305	76	<LOD	602	<LOD	67	<LOD	19	49334	616	56	12	<LOD	62	871	129	<LOD	0	719	72	<LOD	12	44	3	<LOD	127	<LOD	6	<LOD	118	86	4	6999	697	239	6
10-Apr-12	3	19.65	jackson 5444		PES 5861						58.19	6.33	31.94	4.73	69.4	25.53	145.08	14.02	1126.66	100.6	ND		895.04	38.77	11.58	5.84	15838.95	253.33	2899.56	59.77	110.72	19.65	103.69	68.49	ND		144.83	46.4	1.32	3.57	23.26	2.3	66.25	42.19	4.24	1.81	75.06	37.97	116.62	4.31	834.34	315.14	69.08	3.71
10-Apr-12	4	20.77	wilder_5420		2586						413.75	15.61	<LOD	34.65	<LOD	79.7	330.32	16.71	284.66	89.25	<LOD	1353.18	<LOD	70.67	<LOD	18.41	49374.12	634.83	80.99	12.65	<LOD	55.89	<LOD	397.12	<LOD	0	836.45	78.9	<LOD	12.21	46.1	3.19	<LOD	127.76	<LOD	6.21	<LOD	123.76	89.78	4.1	4192.68	466.73	256.97	6.31
10-Apr-12	4	22.6	jackson 5434		2710						6081	90	691	47	<LOD	89	7347	114	<LOD	238	<LOD	638	<LOD	72	101	17	39574	572	2927	67	109	24	<LOD	377	<LOD	0	10162	246	28	4	134	5	<LOD	144	<LOD	16	<LOD	134	348	9	3891	685	110	5
10-Apr-12	4	20.3	jackson 5444		nist 2711						1101.57	25.62	132.08	15.64	53.08	24.81	333.1	16.23	-39.06	60.86	ND		17.83	16.35	16.48	7.2	24124.28	351.03	101.19	12.91	-66.66	19.38	130.77	85.58	ND		379.91	54.98	-3.65	3.85	115.63	4.55	116.57	39.98	2.46	2.57	46.25	36.44	248.2	6.47	1856.58	390.72	243.03	6.1
10-Apr-12	5	19.53	wilder_5420		2710						5855.86	92.51	687.79	51.12	<LOD	91.62	7337.84	120.93	<LOD	300.69	<LOD	1483.61	<LOD	73.92	50.56	16.74	39190.97	601.76	3115.29	74.37	142.61	22.05	<LOD	396.3	<LOD	0	10209.11	260.35	24.21	4.84	146.29	6.3	<LOD	151.05	<LOD	17.25	<LOD	147.79	383.13	9.72	2886.11	483.69	114.52	5.77
10-Apr-12	5	22.57	jackson 5434		2710						5820	87	647	46	<LOD	88	7234	112	<LOD	233	<LOD	679	<LOD	68	78	16	37648	548	2825	65	<LOD	70	368	122	<LOD	0	9806	240	23	4	129	5	<LOD	142	<LOD	15	<LOD	131	347	9	3413	696	114	5
10-Apr-12	5	20.16	jackson 5444		NIST 2586						413.5	15.77	12.11	9.64	4.55	26.8	329.68	16.88	245.36	89.94	ND		50.26	22.16	-1.41	5.62	48818.89	641.53	73.93	12.65	50	21.06	145.29	125.25	ND		698.52	76.49	-3	4.08	47.18	3.22	19.41	44.09	-0.2	2	164.42	40.43	80.82	3.99	5797.67	572.57	259.06	6.39
10-Apr-12	6	18.87	wilder_5420		4315						290.43	11.83	<LOD	26.55	<LOD	72.39	835.16	24.25	<LOD	139.03	<LOD	712.63	<LOD	27.86	<LOD	16.42	2721.06	86.81	105.93	12.04	75.64	16.94	<LOD	87.42	<LOD	0	553.48	48.21	<LOD	10.28	9.18	1.86	<LOD	119.82	<LOD	4.82	<LOD	114.63	289.72	6.53	<LOD	594.03	43.95	3.54
10-Apr-12	6	22.97	jackson 5434		2711						1171	26	89	18	<LOD	77	343	16	203	60	<LOD	457	<LOD	50	30	8	25395	354	83	13	<LOD	61	383	90	<LOD	0	415	54	<LOD	11	108	4	<LOD	124	19	3	<LOD	114	243	6	3463	513	231	6
10-Apr-12	6	19.78	jackson 5444		BLANK						1.55	2.99	1.65	1.78	38.19	21.47	4.71	3.5	-19.29	33.04	ND		-1.98	6.46	-3.63	3.6	16.01	14.55	-9.84	5.08	-2.69	16.49	-13.17	9	ND		-22.87	16.58	-4.19	2.97	0.52	1.22	0.99	35	0.03	1.13	56.98	31.61	1.61	1.48	-292.04	184.47	-1.46	2.14
10-Apr-12	7	18.95	wilder_5420		Blank						<LOD	9.5	<LOD	6.12	<LOD	64.61	<LOD	10.51	<LOD	104.75	<LOD	511.53	<LOD	20.26	<LOD	11.46	<LOD	50.55	<LOD	16.66	<LOD	44.84	<LOD	30.92	<LOD	0	<LOD	52.17	<LOD	8.95	<LOD	3.63	<LOD	101.95	<LOD	3.61	<LOD	98.4	<LOD	4.22	<LOD	436.33	<LOD	6.62
10-Apr-12	7	24.33	jackson 5434		4315						324	11	<LOD	25	<LOD	67	933	23	<LOD	108	<LOD	267	<LOD	28	<LOD	15	3325	86	117	11	<LOD	52	<LOD	87	<LOD	0	660	47	9	3	15	2	<LOD	104	<LOD	4	<LOD	96	321	6	<LOD	752	43	3
10-Apr-12	7	23.13	embree 5444	110	NA	1	2	0			1650.64	47.27	18.47	25.56	0.85	34.78	21694.75	371.12	-14.13	115.56	ND		-55.69	30.61	-50.98	17.36	45148.96	839.34	266.94	31.85	-235.14	28.45	348.62	171.06	ND		213.77	92.57	7.04	5.9	19.34	3.57	69.76	54.07	-1.68	4.09	73.56	50.46	184.09	8.08	478.62	573.46	144.91	7.04
10-Apr-12	8	53.78																																																				
10-Apr-12	8	23.11	jackson 5434		4315						303	11	<LOD	25	<LOD	69	894	23	<LOD	109	<LOD	281	<LOD	27	<LOD	15	2956	84	99	11	<LOD	54	<LOD	92	<LOD	0	604	47	<LOD	9	10	2	<LOD	107	<LOD	4	<LOD	100	304	6	<LOD	824	41	3
10-Apr-12	8	21.24	embree 5444	110	NA	1	2	0			1123.87	28.37	80.71	16.75	13.15	27.72	1708.14	42.35	-42.32	71.46	ND		7.45	19.13	-10	6.76	33424.23	494.55	196.97	17.98	-34.14	21.54	135.2	109.19	ND		366.53	63.61	2.3	4.11	12.64	2.4	6	45.23	0.8	2.69	56.86	40.9	147.73	5.45	1431.14	416.82	89.32	4.54
10-Apr-12	9	20.94	wilder_5420	110	NA	1	1	0			1019.36	28.09	<LOD	60.51	<LOD	88.56	1474.1	40.79	<LOD	238.09	<LOD	1125.78	<LOD	65.81	<LOD	21.67	34096.39	524.78	248.19	20.41	<LOD	62.15	<LOD	359.5	<LOD	0	412.62	67.92	<LOD	13.48	14.24	2.63	<LOD	143.34	<LOD	8.73	<LOD	138.77	208.3	6.74	<LOD	1023.58	135.23	5.54
10-Apr-12	9	23.15	jackson 5434		4315						293	11	<LOD	24	<LOD	68	830	22	<LOD	108	<LOD	327	<LOD	26	<LOD	13	2775	81	84	11	<LOD	54	<LOD	85	<LOD	0	657	48	<LOD	9	9	2	<LOD	107	<LOD	4	<LOD	99	312	6	<LOD	856	35	3
10-Apr-12	9	22.65	embree 5444	110	NA	1	2	0			974.59	29.08	69.02	17.35	8.9	30.49	1361.77	41.32	73.08	83.22	ND		7.84	19.65	2.28	8.15	30354.57	512.83	208.79	20.38	1.27	24.28	-64.46	113.31	ND		302.67	67.04	5.51	4.67	17.44	2.86	74.33	50.43	-2.98	2.62	84.66	45.83	202.2	7.08	1002.24	422.46	99.74	5.33
10-Apr-12	10	22.55	wilder_5420	110	NA	1	1	0			726.49	21.87	<LOD	47.86	<LOD	81.3	966.4	30.24	<LOD	222.78	<LOD	948.15	<LOD	54.86	<LOD	21.79	24186.03	380.8	96.47	13.85	<LOD	57.28	<LOD	282	<LOD	0	498.03	62.95	<LOD	12.5	22.66	2.69	<LOD	131.1	<LOD	6.84	<LOD	124.77	177.62	5.85	1591.79	329.78	107.74	4.8
10-Apr-12	10	22.72	jackson 5434		blank						<LOD	9	<LOD	6	<LOD	62	<LOD	10	<LOD	74	<LOD	213	<LOD	22	<LOD	12	49	16	<LOD	15	<LOD	48	<LOD	27	<LOD	0	<LOD	41	<LOD	8	<LOD	3	<LOD	97	<LOD	3	<LOD	89	<LOD	4	<LOD	591	<LOD	6
10-Apr-12	10	21.35	embree 5444	110	NA	1	2	2			1052.57	26.53	42.79	15.45	12.97	26.19	1276.53	34.71	68.36	71.2	ND		20.01	17.57	-0.61	6.87	26683.63	403.46	119.17	14.65	-75.51	20.63	47.58	94.36	ND		326.96	58.03	9.61	4.14	27.81	2.82	-15.21	43.29	1	2.56	89.59	39.16	213.11	6.35	2010.9	416.63	143.14	5.21
10-Apr-12	11	21.64	wilder_5420	110	NA	1	1	0			798.63	23	<LOD	50.31	<LOD	82.29	1215.93	34.34	<LOD	229.89	<LOD	1093.19	<LOD	60.22	<LOD	20.35	33956.56	490.65	255.7	19.29	<LOD	58.29	<LOD	339.54	<LOD	0	308.93	60.34	<LOD	12.42	17.41	2.57	<LOD	134.62	<LOD	7.92	<LOD	131.6	340.32	8.24	1110.82	345.96	106.4	5.02
10-Apr-12	11	48.18																																																				
10-Apr-12	11	22.37	embree 5444	110	NA	1	2	2			757.98	23.19	40.19	13.97	36.34	27.76	1170.31	34.81	13.73	66.93	ND		-19.03	16.42	-5.73	6.49	20613.45	351.88	102.39	14.54	-77.32	21.71	288.27	91.29	ND		315.86	57.46	3.24	4.31	27.9	2.92	71.31	44.88	-3.41	2.15	-49.47	40.57	146.33	5.54	585.04	354.47	156.61	5.59
10-Apr-12	12	21.78	wilder_5420	110	NA	1	1	2			967.47	27.29	<LOD	58.77	<LOD	85.19	1329.45	38.48	<LOD	216.74	<LOD	1066.67	<LOD	57.13	<LOD	20.19	23471.17	396.46	164.31	17.45	<LOD	60.17	<LOD	302.58	<LOD	0	314.93	59.42	<LOD	13.23	23.69	2.92	<LOD	136.87	<LOD	7.47	<LOD	131.1	140.2	5.56	1054.54	343.68	110.48	5.1
10-Apr-12	12	22.58	stroh 5434	110	NA	3	1	30			370	12	<LOD	26	<LOD	65	402	15	<LOD	122	<LOD	352	<LOD	32	<LOD	14	10746	167	<LOD	21	<LOD	50	189	51	<LOD	0	548	45	<LOD	10	37	2	<LOD	102	<LOD	5	<LOD	95	82	3	2350	380	288	5
10-Apr-12	12	21.49	embree 5444	110	NA	1	2	2			983.63	24.84	36.39	14.53	-36.08	25.31	1079.49	30.81	-24.01	61.11	ND		29.77	16.02	1.24	6.58	22538.19	346.56	193.77	16.66	-117.29	19.79	-96.26	82.94	ND		386.76	56.29	4.42	3.93	22.78	2.57	29.49	40.33	-1.67	2.26	29.24	36.43	160.45	5.36	1113.49	359.03	117.29	4.68
10-Apr-12	13	20.48	wilder_5420	110	NA	1	1	2			1264.7	26.39	<LOD	54.79	<LOD	69.57	1561.17	34.95	<LOD	196.13	<LOD	850.2	<LOD	50.96	<LOD	18.55	25229.65	344.7	216.04	15.98	<LOD	48.32	<LOD	259.29	<LOD	0	266.99	48.69	<LOD	10.71	22.4	2.39	<LOD	110.07	<LOD	7.31	<LOD	105.27	131.73	4.47	<LOD	814.31	105.95	4.14
10-Apr-12	13	23.22	stroh 5434	110	NA	3	1	30			223	9	<LOD	19	<LOD	62	193	10	<LOD	105	<LOD	331	<LOD	32	<LOD	14	8791	139	<LOD	21	<LOD	48	247	45	<LOD	0	512	41	<LOD	9	45	2	<LOD	100	<LOD	4	<LOD	92	89	3	3218	377	353	5
10-Apr-12	13	21.84	embree 5444	110	NA	1	2	4			494.09	16.41	44.28	10.36	-28.19	23.88	737.82	24.08	-72.52	47.94	ND		-21.42	11.95	-12.78	4.56	14232.74	241.5	58.42	10.74	-187.45	18.56	123.02	66.91	ND		245.25	44.68	0.47	3.76	26.76	2.51	3.4	37.77	-3.76	1.62	22.5	34.51	85.41	3.87	1203.89	313.62	139.47	4.68
10-Apr-12	14	21.13	wilder_5420	110	NA	1	1	2			1112.66	24.79	<LOD	52.58	<LOD	69.9	1356.52	32.61	<LOD	176.89	<LOD	801.11	50.07	16.32	<LOD	18.57	23718.95	333.71	151.15	14.21	<LOD	48.66	<LOD	249.92	<LOD	0	373.53	51.67	<LOD	11.19	26.82	2.53	<LOD	109.65	<LOD	7.04	<LOD	106.17	131.12	4.51	<LOD	784.4	102.21	4.14
10-Apr-12	14	22.5	stroh 5434	110	NA	3	1	2			196	9	<LOD	18	<LOD	64	185	10	<LOD	102	<LOD	309	<LOD	30	<LOD	13	7182	129	<LOD	21	<LOD	50	<LOD	122	<LOD	0	491	42	<LOD	10	40	2	<LOD	103	<LOD	4	<LOD	95	81	3	2281	349	283	5
10-Apr-12	14	21.6	embree 5444	110	NA	1	2	4			470.02	16.45	25.09	10.18	-27.43	25.4	529.08	20.8	80.39	61.04	ND		-11.47	13.18	-3.54	5.4	14590.63	252.47	43.86	10.45	-85.29	19.7	136.09	69.78	ND		279.96	48.58	1.04	3.94	38.17	2.91	-4.74	41.74	-1.66	1.83	52.94	37.53	118.73	4.6	1429.65	355.76	191.04	5.5
10-Apr-12	15	18.46	wilder_5420	110	NA	1	1	4			313.82	12.14	<LOD	27.51	<LOD	69.18	458.54	17.51	<LOD	175.98	<LOD	852.29	47.87	14.21	<LOD	12.64	14872.65	230.85	42.43	9.58	<LOD	48.53	<LOD	192.58	<LOD	0	396.44	47.6	<LOD	11.04	44.11	2.77	<LOD	113.84	<LOD	4.72	<LOD	109.22	105.88	3.92	906.29	269.3	282.14	5.92
10-Apr-12	15	21.47	stroh 5434	110	NA	3	1	2			222	8	<LOD	17	<LOD	56	198	9	<LOD	89	<LOD	248	<LOD	25	<LOD	12	6117	104	<LOD	18	<LOD	43	119	34	<LOD	0	333	32	11	3	29	2	<LOD	86	<LOD	3	<LOD	80	64	2	1908	283	219	4
10-Apr-12	15	20.7	embree 5444	110	NA	1	2	4			608.38	17.78	40.5	10.96	-9.12	23.67	752.72	23.61	-57.72	50.91	ND		30.82	14.7	5.36	5.95	17574.77	270.34	85.77	11.75	-141.2	18.24	53.12	70.48	ND		335.26	48.44	3.47	3.69	39.46	2.79	50.41	38.01	0.57	1.98	18.67	34.11	113.6	4.25	1420.73	328.72	160.59	4.82
10-Apr-12	16	19	wilder_5420	110	NA	1	1	4			617.72	17.53	<LOD	38.95	<LOD	70.46	673.68	21.83	<LOD	164.64	<LOD	807.6	<LOD	43.24	<LOD	16.52	16927.24	257.87	63.28	10.66	<LOD	49.08	<LOD	213.11	<LOD	0	509.05	52.6	<LOD	11.17	35.02	2.64	<LOD	114.22	<LOD	5.52	<LOD	110.17	118.55	4.22	1249.09	273.13	207.74	5.26
10-Apr-12	16	21.03	stroh 5434	110	NA	3	1	2			179	7	<LOD	15	<LOD	52	233	9	<LOD	75	<LOD	247	<LOD	23	<LOD	9	6163	99	<LOD	16	<LOD	40	<LOD	96	<LOD	0	332	30	13	3	25	2	<LOD	80	<LOD	3	<LOD	74	50	2	1886	274	167	3
10-Apr-12	16	20.79	embree 5444	110	NA	1	2	6			509.87	16.23	19.1	9.91	-27.17	24.05	544.47	19.97	-40.15	50.19	ND		7.68	13.61	-2.04	5.21	15050.26	243.54	61.5	10.64	-137.86	18.29	161.38	67.26	ND		293.11	45.93	8.11	3.76	40.73	2.81	53.23	38.27	-0.78	1.8	-41.56	34.78	90.07	3.85	1573.49	330.81	173.24	4.95
10-Apr-12	17	19.74	wilder_5420	110	NA	1	1	4			525.61	15.61	<LOD	35.04	<LOD	69.46	598.91	19.91	<LOD	162.26	1359.86	315.22	<LOD	41.17	<LOD	15.53	16419.87	244.64	65.6	10.38	<LOD	48.12	<LOD	207.02	<LOD	0	390.96	47.49	<LOD	10.93	38.74	2.64	<LOD	114.39	<LOD	5.34	110.1	36.1	115.71	4.05	<LOD	823.22	259.5	5.64
10-Apr-12	17	22.77	stroh 5434	110	NA	3	1	2			271	10	<LOD	23	<LOD	66	267	12	<LOD	106	<LOD	347	<LOD	33	<LOD	14	9129	153	<LOD	22	<LOD	51	229	49	<LOD	0	434	42	12	3	35	2	<LOD	103	<LOD	5	<LOD	96	79	3	1559	356	281	5
10-Apr-12	17	22.02	embree 5444	110	NA	1	2	6			459.19	16.33	9.38	9.91	-51.24	25.09	475.83	19.82	24.63	55.66	ND		2.21	13.51	-3.54	5.3	13887.35	245.42	67.66	11.56	-130.35	19.52	88.47	67.78	ND		215.86	45.15	3.57	3.97	35.51	2.85	-4.98	40.7	-1.14	1.84	-51.59	36.64	94.98	4.18	1850.18	349.75	176.66	5.33
10-Apr-12	18	57.87																																																				
10-Apr-12	18	23.61	stroh 5434	117	NA	1	2	0			277	10	<LOD	20	<LOD	60	259	11	<LOD	102	<LOD	295	<LOD	26	<LOD	11	8420	133	<LOD	20	<LOD	46	169	43	<LOD	0	407	37	<LOD	9	34	2	<LOD	94	<LOD	4	<LOD	86	77	3	2754	342	249	4
10-Apr-12	18	19.79	embree 5444	110	NA	1	2	6			209.29	9.86	6.35	6.13	31.3	22.71	231.35	12.35	44.65	52.13	ND		14.22	12.62	1.66	4.76	14808.35	226.85	19.97	8.05	-98.21	17.39	62.96	61.64	ND		188.38	39.66	-1.83	3.5	52.92	2.9	17.84	36.52	-2.05	1.37	21.8	33.22	101.3	3.81	1777.35	326.72	235.66	5.35
10-Apr-12	19	52.33																																																				
10-Apr-12	19	23.03	stroh 5434	117	NA	1	2	0			1479	30	<LOD	58	<LOD	78	1707	37	<LOD	189	<LOD	485	<LOD	56	<LOD	19	31281	417	167	16	<LOD	61	440	100	<LOD	0	370	55	<LOD	11	24	2	<LOD	124	<LOD	7	<LOD	115	264	6	2301	504	153	5
10-Apr-12	19	21.91	embree 5444	110	NA	1	2	8			402.1	14.85	34.83	9.43	-56.02	24.27	461.7	18.98	81.39	57.74	ND		-30.21	11.18	8.46	6.03	13634.43	236.08	30.47	9.35	-179.95	18.71	102.67	65.68	ND		370.04	50.14	3.15	3.86	35.52	2.76	7.21	38.3	-2.03	1.69	42.83	35.18	77.17	3.73	1329.83	325.04	179.18	5.19
10-Apr-12	20	20.07	wilder_5420	110	NA	1	1	4			565.93	16.87	<LOD	37.23	<LOD	69.07	620.01	21.06	<LOD	148.86	<LOD	766.88	<LOD	37.31	<LOD	14.72	12726.99	214.72	38.1	9.58	<LOD	48.65	<LOD	184.61	<LOD	0	342.81	45.46	<LOD	10.88	30.26	2.53	<LOD	110.62	<LOD	5.2	<LOD	106.72	90.21	3.77	<LOD	742.28	158.21	4.7
10-Apr-12	20	25.06	stroh 5434	117	NA	1	2	0			1354	29	70	19	<LOD	78	1494	35	<LOD	171	548	173	<LOD	54	<LOD	22	30228	416	193	16	<LOD	62	<LOD	296	<LOD	0	373	55	19	4	19	2	<LOD	125	<LOD	8	<LOD	115	192	6	<LOD	1486	90	4
10-Apr-12	20	20.1	embree 5444	110	NA	1	2	8			502.43	15.06	11.8	9.13	-37.66	22.21	429.67	16.57	-48.68	43.98	ND		-1.37	10.9	-7.3	4.36	11510.54	190.58	43.94	9.04	-151.78	16.99	38.94	54.13	ND		263.1	40.3	-1.3	3.4	28.12	2.31	35.39	35.84	-3.12	1.51	-9.22	32.24	76.33	3.35	1040.46	286.81	165.23	4.53
10-Apr-12	21	20.46	wilder_5420	110	NA	1	1	4			479.24	15.1	<LOD	33.43	<LOD	70.48	635.84	20.83	<LOD	159.76	<LOD	753.94	<LOD	38.22	<LOD	15.79	11360.19	194.54	45.54	9.72	<LOD	48.71	<LOD	173.86	<LOD	0	281.04	41.99	<LOD	11.18	33.8	2.55	<LOD	114.88	<LOD	5.14	<LOD	109.79	106.23	3.95	853.19	247.6	268.31	5.81
10-Apr-12	21	23.49	stroh 5434	117	NA	1	2	0			1514	33	<LOD	63	<LOD	83	1723	40	<LOD	201	<LOD	535	<LOD	61	<LOD	22	36349	504	172	17	<LOD	66	748	118	<LOD	0	371	61	19	4	27	3	<LOD	134	<LOD	9	<LOD	123	233	6	2568	560	102	4
10-Apr-12	21	21.61	embree 5444	110	NA	1	2	8			356.3	14.15	7.67	8.67	-67.49	25.16	267.19	14.71	0.61	54.42	ND		-3.42	13.13	2.79	5.54	14442.9	248.76	25.87	9.34	-75.23	19.55	83.33	68.04	ND		421.02	52.72	0.44	3.93	46.03	3.07	79.48	40.89	-5.22	1.4	1.38	36.76	83.64	3.91	2681.53	383.93	224.57	5.82
10-Apr-12	22	18.95	wilder_5420	110	NA	1	1	6			466.21	15.18	<LOD	34.06	<LOD	71.45	464.11	18.06	<LOD	172.36	<LOD	825.76	<LOD	40.98	<LOD	16.21	14534.98	232.96	44.44	9.86	<LOD	49.65	<LOD	194.17	<LOD	0	462.43	50.55	<LOD	11.49	43.01	2.83	<LOD	115.04	<LOD	5.8	<LOD	110.99	89.58	3.74	1638.53	286.69	291.82	6.15
10-Apr-12	22	22.9	stroh 5434	117	NA	1	2	2			1128	23	<LOD	46	<LOD	67	1274	28	<LOD	139	<LOD	371	<LOD	44	<LOD	17	21034	279	152	13	<LOD	53	414	75	<LOD	0	297	43	20	3	21	2	<LOD	103	<LOD	6	<LOD	96	133	4	<LOD	1100	102	4
10-Apr-12	22	22.5	embree 5444	110	NA	3	2	30			216.16	11.63	26.7	7.61	-53.9	26.18	258.76	15.1	-8.98	52.54	ND		-10.43	12.19	5.55	5.91	9823.52	201.74	17.88	9.26	-120.4	20.17	77.02	59.6	ND		491.16	55.57	5.13	4.25	37.58	2.96	5.32	42.28	-1.09	1.71	19.18	38.25	75.66	3.92	2828.59	395.63	286.48	6.84
10-Apr-12	23	19.72	wilder_5420	110	NA	1	1	6			393.27	13.22	<LOD	29.93	<LOD	67.87	329.03	14.46	<LOD	132.83	<LOD	851.62	<LOD	36.11	<LOD	14.67	13007.5	205.48	25.57	8.46	<LOD	47.13	<LOD	174.14	<LOD	0	374.22	44.12	<LOD	10.9	42.95	2.68	<LOD	111.05	<LOD	5.17	<LOD	106.47	96.54	3.67	1609.64	283.94	303.83	5.97
10-Apr-12	23	22.74	stroh 5434	117	NA	1	2	2			1453	28	<LOD	55	<LOD	72	1692	35	183	59	<LOD	449	<LOD	53	<LOD	21	29766	382	121	13	<LOD	57	471	93	<LOD	0	587	58	14	4	25	2	<LOD	115	<LOD	8	<LOD	106	202	5	2247	469	132	4
10-Apr-12	23	22.06	embree 5444	110	NA	3	2	30			252.76	12.1	-4.08	7.3	5.04	25.31	271.35	14.95	-57.83	48.67	ND		-13.88	11.24	0.14	5.29	8959.57	184.06	18.75	8.98	-110.64	19.56	58.2	55.06	ND		304.6	46.3	5.25	4.1	36.11	2.83	-5.12	41.35	-1.57	1.63	89.67	37.93	77.48	3.83	1784.64	365.33	283.26	6.58
10-Apr-12	24	23.06	wilder_5420	115	NA	1	1	0			603.16	21.1	<LOD	46.39	<LOD	87.76	637.83	25.89	<LOD	224.2	<LOD	1129.84	<LOD	54.85	<LOD	20.49	16437.73	308.7	135.13	16.35	<LOD	62.6	<LOD	251.66	<LOD	0	270.48	54.8	<LOD	13.81	16.46	2.67	<LOD	146.6	<LOD	7.17	<LOD	141.03	278.99	7.89	<LOD	1061.69	121.21	5.48
10-Apr-12	24	22.74	stroh 5434	117	NA	1	2	2			1000	22	<LOD	43	<LOD	68	1156	27	<LOD	137	<LOD	423	<LOD	45	<LOD	17	23580	304	99	12	<LOD	53	474	80	<LOD	0	362	46	13	3	20	2	<LOD	106	<LOD	6	<LOD	99	152	4	1630	422	125	4
10-Apr-12	24	20.06	embree 5444	110	NA	3	2	30			234.71	10.68	-2.16	6.47	-22.41	23.6	271.2	13.64	31.55	51.36	ND		2.83	11.5	-5.29	4.39	10532.93	185.88	17.41	8.16	-83.38	17.92	31.51	53.68	ND		407.73	47.11	7.07	3.79	42.08	2.72	58.49	37.95	0.82	1.65	42.35	34.26	80.45	3.54	2257.7	357.08	334.1	6.54
10-Apr-12	25	21.81	wilder_5420	115	NA	1	1	0			554.47	18.73	<LOD	39.8	<LOD	82.13	1782.33	43	490.16	87.55	<LOD	894.46	106.22	20.86	<LOD	18.96	20728.33	337.16	1106.96	37.89	<LOD	57.78	<LOD	262.88	<LOD	0	688.23	68.47	<LOD	12.26	20.88	2.6	<LOD	134.13	<LOD	5.91	<LOD	130.67	247.73	6.86	1212.3	305.2	81.06	4.51
10-Apr-12	25	22.16	stroh 5434	117	NA	1	2	4			676	16	<LOD	33	<LOD	64	737	20	<LOD	120	<LOD	335	<LOD	35	<LOD	14	15294	208	64	9	<LOD	50	287	60	<LOD	0	284	38	<LOD	9	33	2	<LOD	99	<LOD	6	<LOD	92	107	3	2381	371	161	4
10-Apr-12	25	23.03	embree 5444	110	NA	3	3	30			249.82	13.03	8.75	8.11	-34.67	27.46	276.16	16.35	-2.43	58.71	ND		-6.49	13.44	-0.25	5.72	10312.06	218.21	42.71	11.19	-107.5	21.3	120.15	64.61	ND		343.67	52.9	-0.72	4.34	34.44	3.02	-22.33	44.29	-2.7	1.65	7.53	39.93	89.6	4.41	1180.91	383.09	241.95	6.62
10-Apr-12	26	22.38	wilder_5420	115	NA	1	1	0			816.22	24.52	<LOD	52.3	<LOD	87.02	1276.8	37.19	<LOD	264.13	<LOD	1291.19	82.52	21.7	<LOD	18.64	31314.53	486.95	210.7	19.04	<LOD	61.15	<LOD	334.88	<LOD	0	681.68	75.9	15.83	4.58	15.5	2.63	<LOD	143.23	<LOD	7.2	<LOD	137.8	242.21	7.21	1214.83	395.44	129.22	5.46
10-Apr-12	26	22.25	stroh 5434	117	NA	1	2	4			860	18	<LOD	37	<LOD	60	866	21	<LOD	111	<LOD	293	<LOD	33	<LOD	13	15490	204	58	9	<LOD	47	289	59	<LOD	0	266	36	9	3	22	2	124	31	<LOD	5	<LOD	87	96	3	907	300	127	3
10-Apr-12	26	19.87	embree 5444	110	NA	3	3	30			218.68	9.35	8.91	5.86	3.67	20.26	304.64	13.07	50.75	41.54	ND		-12.09	8.45	-5.82	3.82	6235.8	122.41	12.11	6.76	-190.7	15.66	62.64	38.95	ND		237.97	34.55	6.76	3.24	23.41	2.02	-0.97	31.78	-1.52	1.26	-18.62	28.91	104.42	3.58	1016.89	235.32	149.91	4.12
10-Apr-12	27	54.99																																																				
10-Apr-12	27	22.8	stroh 5434	117	NA	1	2	4			941	21	<LOD	42	<LOD	66	1313	29	<LOD	133	<LOD	350	<LOD	41	<LOD	17	20356	270	126	12	<LOD	52	259	72	<LOD	0	336	44	15	3	27	2	<LOD	103	<LOD	5	<LOD	94	123	4	<LOD	1060	134	4
10-Apr-12	27	21.34	embree 5444	110	NA	3	3	30			280.52	12.26	9.52	7.61	-36.82	24.63	230.41	13.33	-16.79	49.2	ND		-6.61	11.6	-0.4	5.06	9947.3	189.44	19.32	8.65	-92.89	18.89	80.24	55.96	ND		499.28	52.23	3.34	3.89	40.9	2.85	-24.18	39.83	-1.08	1.63	-55.8	36.08	98.85	4.08	2127.57	350.88	261.05	6.1
10-Apr-12	28	52.49																																																				
10-Apr-12	28	22.18	stroh 5434	117	NA	1	2	6			695	16	<LOD	34	<LOD	61	734	19	<LOD	117	<LOD	321	<LOD	33	<LOD	15	14504	197	74	9	<LOD	47	214	57	<LOD	0	380	40	9	3	21	2	<LOD	93	<LOD	5	<LOD	86	86	3	1595	337	130	4
10-Apr-12	28	21.01	embree 5444	110	NA	3	4	30			231.49	10.91	5.79	6.75	-13.22	24.01	294.46	14.58	4.23	48.44	ND		-8.48	11.08	-4.67	4.57	9440.94	178.54	5.65	7.65	-87.2	18.42	80.06	53.32	ND		320.17	44.31	2.25	3.78	43.41	2.83	50.24	39.28	-0.52	1.59	18.62	35.2	73.43	3.51	1840.13	326.79	265.67	5.97
10-Apr-12	29	21.66	wilder_5420	115	NA	1	1	2			1125.67	26.25	<LOD	54.55	<LOD	75.64	1603.84	37.82	<LOD	202.99	<LOD	875.64	<LOD	46.33	<LOD	18.34	23090.44	344.55	203.66	16.55	<LOD	52.81	<LOD	265.66	<LOD	0	200.72	48.32	<LOD	11.67	15.96	2.34	<LOD	119.24	<LOD	6.7	<LOD	114.53	125.01	4.65	859.4	284.55	87.65	4.17
10-Apr-12	29	23.13	stroh 5434	117	NA	1	2	6			609	14	<LOD	29	<LOD	59	506	15	<LOD	102	<LOD	304	<LOD	34	<LOD	12	13068	173	34	8	<LOD	45	362	53	<LOD	0	318	35	17	3	34	2	<LOD	91	<LOD	5	<LOD	84	99	3	1139	307	191	4
10-Apr-12	29	19.67	embree 5444	110	NA	3	4	30			284.22	11.04	2.28	6.75	46.11	21.88	353.47	14.69	31.81	45.76	ND		22.07	11.35	11.19	5.34	9381.62	163.4	22.81	7.91	-135.84	16.64	6.46	47.71	ND		272.12	39.06	1.21	3.43	33.26	2.37	-16.16	34.89	-3.76	1.26	27.49	31.38	74.99	3.25	918.31	263.6	242.16	5.24
10-Apr-12	30	20.85	wilder_5420	115	NA	1	1	2			1144.35	28.71	<LOD	59.81	<LOD	82.45	1608.32	41.02	<LOD	231.91	<LOD	1003.41	117.77	21.64	<LOD	19.77	28925.97	441.96	176.76	17.36	<LOD	57.69	<LOD	307.36	<LOD	0	218.96	55.91	<LOD	12.68	15	2.53	<LOD	132.97	<LOD	7.11	<LOD	128.16	160.03	5.65	1202.66	332.24	100.18	4.76

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
10-Apr-12	30	22.18	stroh 5434	117	NA	1	2	6			823	17	<LOD	35	<LOD	59	703	18	<LOD	100	<LOD	279	<LOD	35	<LOD	13	11916	169	52	9	<LOD	46	285	52	<LOD	0	173	31	15	3	22	2	<LOD	91	<LOD	6	<LOD	83	92	3	<LOD	824	134	3
10-Apr-12	30	22.99	embree 5444	110	NA	3	4	30			280.6	13.79	4.73	8.47	-52.11	27.6	378.01	19.03	-107.22	50.23	ND		16.68	14.34	2.37	6.06	9720.85	210.07	17.45	9.9	-105.62	21.33	45.54	61.52	ND		217.64	46.36	6.85	4.42	38.72	3.15	40.53	45.85	-1.73	1.78	17.21	40.5	74.11	4.08	1507.42	394.24	234.62	6.51
10-Apr-12	31	21.36	wilder_5420	115	NA	1	1	2			1233.74	27.58	<LOD	57.22	<LOD	74.72	1469.25	35.76	<LOD	195.88	<LOD	944.8	<LOD	53.14	<LOD	19.47	27744.4	392.86	176.71	15.71	<LOD	52.37	<LOD	287.48	<LOD	0	260.08	52.09	<LOD	11.57	19.53	2.46	<LOD	119.29	<LOD	7.47	<LOD	115.3	141.25	4.9	<LOD	871.26	106.53	4.42
10-Apr-12	31	21.72	stroh 5434	115	NA	3	2	30			252	9	<LOD	20	<LOD	61	173	9	<LOD	98	<LOD	308	<LOD	30	<LOD	12	10316	152	<LOD	21	<LOD	47	210	47	<LOD	0	378	37	<LOD	9	43	2	<LOD	96	<LOD	4	<LOD	89	71	3	2158	336	251	4
10-Apr-12	31	20.39	embree 5444	117	NA	1	1	0			1207.2	27.81	5.8	15.63	71.47	25.67	1012.14	29.58	29.23	64.53	ND		14.76	16.53	-5.61	6.21	25040.08	371.86	241.42	18.03	-65.65	19.96	84.2	89.03	ND		126.02	47.55	6.21	3.87	23.15	2.6	116.25	42.65	-5.69	2.16	120.34	38.23	192.3	5.83	1457.69	361.24	78.53	4.2
10-Apr-12	32	27.81	wilder_5420	115	NA	1	1	2			107.06	28.39	<LOD	57.81	<LOD	262.88	<LOD	78.55	<LOD	534.36	<LOD	1618.59	<LOD	107.64	<LOD	72.48	2201.54	275.55	<LOD	130.22	<LOD	189.04	<LOD	270.55	<LOD	0	<LOD	274.65	<LOD	47.97	<LOD	22.48	<LOD	374.32	<LOD	11.56	<LOD	371.58	<LOD	31.12	<LOD	1477.02	41.16	13.05
10-Apr-12	32	24.33	stroh 5434	115	NA	3	2	30			270	11	<LOD	23	<LOD	68	209	11	<LOD	134	<LOD	395	<LOD	37	<LOD	14	13918	205	<LOD	24	<LOD	53	269	60	<LOD	0	511	47	<LOD	10	54	3	<LOD	110	<LOD	5	<LOD	101	76	3	2586	420	274	5
10-Apr-12	32	21.02	embree 5444	117	NA	1	1	0			1377.97	31	40.84	17.44	-20.22	26.5	1622.42	39.77	28.31	68.81	ND		29.36	18.05	9.15	7.85	25708.23	390.73	186.73	17.04	-95.03	20.46	108.96	93.14	ND		184.56	52.21	10.82	4.05	21.52	2.64	13.64	42.65	-2.72	2.55	2.44	39.2	159.84	5.48	877.93	378.62	76.56	4.25
10-Apr-12	33	20.27	wilder_5420	115	NA	1	1	4			1881.99	36.23	<LOD	72.12	<LOD	77.32	2118.91	45.07	<LOD	251.42	<LOD	1138.67	107.06	22.82	<LOD	21.32	45029.66	582.01	248.42	18.39	<LOD	53.52	<LOD	364.66	<LOD	0	376.91	64.22	<LOD	11.82	20.45	2.61	<LOD	124.11	<LOD	8.89	<LOD	120	128.49	4.78	<LOD	1042.21	143.16	4.94
10-Apr-12	33	22.41	stroh 5434	115	NA	3	2	30			327	11	<LOD	24	<LOD	65	198	10	<LOD	115	<LOD	385	<LOD	36	<LOD	14	13670	197	<LOD	22	<LOD	51	245	58	<LOD	0	609	48	10	3	45	2	<LOD	103	<LOD	5	<LOD	95	76	3	2371	403	284	5
10-Apr-12	33	22.18	embree 5444	117	NA	1	1	0			1223.12	30.54	35.91	17.38	-5.7	28.09	1245.05	36.1	135.44	75.25	ND		19.74	18.07	-8.34	6.74	24042.1	393.88	186.7	17.89	-67.79	21.8	83.82	94.96	ND		249.01	56.85	5.53	4.23	13.47	2.5	60.5	45.52	-0.91	2.67	36.79	41.26	153.63	5.68	1038.56	365.86	77.11	4.5
10-Apr-12	34	18.39	wilder_5420	115	NA	1	1	4			1583.96	30.8	<LOD	63.05	<LOD	70.99	2287.94	44.72	<LOD	210.22	<LOD	1021.1	<LOD	57.53	<LOD	21.01	39214.93	492.34	217.17	16.39	<LOD	49.77	<LOD	328.41	<LOD	0	480.43	61.31	<LOD	11.07	18.69	2.38	<LOD	111.29	<LOD	8.04	<LOD	107.41	124.45	4.45	<LOD	923.7	129.42	4.5
10-Apr-12	34	22.2	stroh 5434	115	NA	3	2	2			216	9	<LOD	19	<LOD	62	197	10	<LOD	105	<LOD	303	<LOD	32	<LOD	13	10471	158	<LOD	22	<LOD	48	237	49	<LOD	0	425	39	12	3	42	2	<LOD	97	<LOD	4	<LOD	89	77	3	2428	345	265	5
10-Apr-12	34	21.75	embree 5444	117	NA	1	1	2			1108.06	26.98	37.96	15.57	20.08	25.36	1354.07	35.45	46.59	65.55	ND		-10.21	15.54	1.83	6.94	22661.83	352.54	167.22	15.99	-164.74	19.8	166.36	87.62	ND		281.17	53.55	5.41	3.94	10.8	2.22	-71.12	40.82	0.96	2.52	-37.99	37.69	158.98	5.4	416.56	326.18	71.44	4.13
10-Apr-12	35	18.91	wilder_5420	115	NA	1	1	4			1043.35	22.95	<LOD	48.83	<LOD	68.07	1182.9	29.01	<LOD	168.76	<LOD	784.8	52.11	15.55	<LOD	16.81	19925.22	282.47	129.12	12.92	<LOD	47.13	<LOD	223.57	<LOD	0	219.9	43.17	11.54	3.6	21.41	2.27	<LOD	104.73	<LOD	6.62	<LOD	102.13	103.73	3.9	<LOD	738.51	102.62	3.94
10-Apr-12	35	23.54	stroh 5434	115	NA	3	2	2			243	9	<LOD	19	<LOD	60	169	9	<LOD	97	<LOD	303	<LOD	31	<LOD	13	10015	149	<LOD	21	<LOD	46	232	47	<LOD	0	684	45	<LOD	9	45	2	<LOD	94	<LOD	4	<LOD	87	67	3	2481	341	256	5
10-Apr-12	35	20.42	embree 5444	117	NA	1	1	2			673.57	17.13	16.87	10.24	-5.59	20.61	936.69	24.26	37.12	45.34	ND		-2.64	11.1	-1.56	5	10752.39	177.19	98.75	10.94	-260.29	15.95	195.99	53.38	ND		106.76	32.78	7.19	3.27	10.76	1.77	52.89	31.36	-1.25	1.68	-64.27	28.74	86.04	3.42	131.39	211.7	54.14	3.15
10-Apr-12	36	19.12	wilder_5420	115	NA	1	1	6			1097.02	22.88	55.97	16.42	<LOD	64.18	6337.03	82.22	<LOD	178.11	<LOD	830.12	<LOD	46.74	<LOD	21.21	24126.05	314.11	150.42	13.73	<LOD	44.58	<LOD	235.7	<LOD	0	198.74	43.38	<LOD	10.15	10.37	1.86	<LOD	99.85	<LOD	6.47	<LOD	96.36	78.27	3.34	<LOD	728.65	79.97	3.52
10-Apr-12	36	22.28	stroh 5434	115	NA	3	2	2			283	10	<LOD	22	<LOD	64	235	11	<LOD	109	<LOD	331	<LOD	33	<LOD	13	11929	176	<LOD	22	<LOD	49	227	53	<LOD	0	454	42	<LOD	9	45	2	<LOD	103	<LOD	4	<LOD	95	70	3	2533	370	266	5
10-Apr-12	36	23.47	embree 5444	117	NA	1	1	2			1150.31	32.43	88.03	19.1	-78.63	30.07	1506.76	44.35	-97.1	70.73	ND		21.9	20.3	-1.27	8.15	27074.29	475.75	217.16	20.94	-158.98	23.56	11.47	109.38	ND		351.2	67.35	2.74	4.68	12.02	2.69	60.93	47.41	2.47	3.12	-8.92	43.02	141.63	6.02	1737.16	452.21	88.18	5.12
10-Apr-12	37	21.42	wilder_5420	115	NA	1	1	6			1547.46	33.11	<LOD	67.62	<LOD	77.96	4278.16	73.36	<LOD	228.16	<LOD	1162.8	<LOD	61.45	<LOD	26.56	36629.89	510.17	204.19	17.74	<LOD	54.65	<LOD	344.78	<LOD	0	247.41	58.45	<LOD	12.13	13.58	2.42	<LOD	124.08	<LOD	8.3	<LOD	120.77	104.35	4.49	<LOD	1052.85	101.77	4.52
10-Apr-12	37	22.35	stroh 5434	115	NA	3	2	4			240	9	<LOD	20	<LOD	63	168	9	<LOD	108	<LOD	336	<LOD	31	<LOD	11	9866	154	<LOD	20	<LOD	48	187	48	<LOD	0	355	38	10	3	38	2	<LOD	100	<LOD	4	<LOD	92	65	3	1582	345	233	4
10-Apr-12	37	24.5	embree 5444	117	NA	1	1	2			1066.87	34.41	41.37	19.88	-20.41	33.83	1533.62	49.68	172.53	94.05	ND		-20.86	19.32	18.24	10.49	24242.35	487.56	158.95	20.74	-103.98	26.67	51.33	115.38	ND		597.32	84.77	14.83	5.38	15.64	3.14	-3.18	54.99	-2.42	3.01	-90.52	50	128.14	6.39	797.05	423.02	57.78	5.14
10-Apr-12	38	18.16	wilder_5420	115	NA	1	1	6			1476.08	29.72	<LOD	60.91	<LOD	70.18	8293.7	109.68	<LOD	221.38	<LOD	995.4	<LOD	61.45	<LOD	25.47	38302.25	486.91	280.8	18.89	<LOD	49.54	<LOD	325.77	<LOD	0	264.72	55.51	<LOD	11.25	8.24	2.02	<LOD	108.15	<LOD	7.89	<LOD	106.41	88.37	3.84	<LOD	903.83	107.05	4.21
10-Apr-12	38	22.42	stroh 5434	115	NA	3	2	4			243	10	<LOD	20	<LOD	62	169	9	<LOD	106	<LOD	330	<LOD	31	<LOD	13	10744	162	<LOD	21	<LOD	48	198	50	<LOD	0	449	41	<LOD	9	44	2	<LOD	97	<LOD	4	<LOD	90	68	3	2099	354	235	5
10-Apr-12	38	21.51	embree 5444	117	NA	1	1	4			684.08	19.08	33.25	11.56	1.41	23.21	1026.29	28.16	31.66	53.97	ND		-2.55	13.29	-7.7	5.22	15622.39	251.29	81.08	11.6	-234.58	17.89	161.62	68.79	ND		235.92	44.47	4.58	3.69	31.69	2.61	97.11	36.27	-3.48	1.76	24.54	33.01	101.36	4.07	1373.67	309.35	118.37	4.34
10-Apr-12	39	21.51	wilder_5420	115	NA	1	1	10			317.77	12.7	37.13	9.99	<LOD	71.19	505.85	19.15	<LOD	148.19	<LOD	813.49	<LOD	36.5	<LOD	13.21	13709.55	227.64	43.84	9.89	<LOD	49.77	<LOD	195.1	<LOD	0	186.11	40.18	<LOD	11.5	45.74	2.92	<LOD	115.46	<LOD	4.7	<LOD	110.44	80.64	3.63	<LOD	777.21	200.53	5.23
10-Apr-12	39	24.39	stroh 5434	105	NA	1	2	0			697	17	<LOD	35	<LOD	64	578	18	<LOD	100	<LOD	296	<LOD	36	<LOD	16	14802	210	46	9	<LOD	50	406	62	<LOD	0	288	38	11	3	31	2	<LOD	102	<LOD	5	<LOD	94	102	3	1752	334	158	4
10-Apr-12	39	22.85	embree 5444	117	NA	1	1	4			824.59	23.79	31.97	14.11	-39.38	26.51	1268.59	35.73	190.39	71.62	ND		8.92	16.43	-2.5	6.59	17945.79	311.68	261.63	19.74	-212.7	20.37	212.24	82.9	ND		163.81	48.89	6.52	4.14	15.6	2.43	46.33	40.36	-0.3	2.32	-32.39	37.21	99.88	4.55	571.26	310.34	71.13	4.22
10-Apr-12	40	18.81	wilder_5420	115	NA	1	1	10			785.41	18.93	<LOD	41.08	<LOD	64.91	880.66	23.9	<LOD	170.27	<LOD	772.12	<LOD	39.78	<LOD	14.49	19420.74	268.76	116.14	11.95	<LOD	45.22	<LOD	213.12	<LOD	0	242.2	42.51	<LOD	10.21	26.18	2.29	<LOD	101.51	<LOD	5.39	<LOD	98.09	69.93	3.2	915.15	251.79	128.65	4.06
10-Apr-12	40	22.96	stroh 5434	105	NA	1	2	0			573	17	<LOD	35	<LOD	75	468	18	<LOD	156	<LOD	465	<LOD	43	<LOD	17	22909	315	48	10	<LOD	58	358	82	<LOD	0	469	52	14	4	51	3	<LOD	119	<LOD	6	<LOD	110	130	4	3526	507	261	6
10-Apr-12	40	23.5	embree 5444	117	NA	1	1	4			768.79	23.7	14.72	13.95	-22.2	27.27	1037.64	33	-31.75	56.4	ND		-22.17	12.4	-3.3	6.52	12944.17	258.3	81.76	13.52	-258.46	20.86	9.69	70.78	ND		155.18	46.01	9.03	4.32	13.96	2.45	25.7	43.27	-4.43	2.02	-70.44	38.72	75.79	4.21	414.56	309.91	60.89	4.18
10-Apr-12	41	20.38	wilder_5420	115	NA	1	1	10			996.01	21.96	<LOD	46.99	<LOD	65.94	1312.33	30.24	<LOD	170.94	1003.89	302.64	59.84	15.71	<LOD	15.33	23995.57	317.69	145.86	13.27	<LOD	46.22	<LOD	236.75	<LOD	0	235.58	44.82	<LOD	10.57	23.36	2.27	<LOD	103.48	<LOD	5.8	<LOD	98.82	77.17	3.39	<LOD	785.94	133.52	4.2
10-Apr-12	41	23.4	stroh 5434	105	NA	1	2	0			726	18	47	13	<LOD	66	811	22	<LOD	114	<LOD	328	<LOD	35	<LOD	15	13116	203	71	10	<LOD	52	341	62	<LOD	0	334	42	19	3	23	2	<LOD	101	<LOD	5	<LOD	93	101	4	<LOD	968	128	4
10-Apr-12	41	23.33	embree 5444	115	NA	1	3	0			822.51	26.13	54.8	15.76	-22.57	29.8	1071.04	35.66	162.19	78.46	ND		-29.96	16.59	-0.81	7.4	19384.26	362.96	138.72	17.17	-87.29	23.37	284.88	95.38	ND		155.27	54.14	-9.46	4.39	15.14	2.7	-1.42	48.89	-2.83	2.41	54.81	44.22	178.36	6.57	1672.18	401.82	81.65	4.97
10-Apr-12	42	20.72	wilder_5420	115	NA	1	1	10			988.42	22.25	<LOD	46.99	<LOD	67.05	979.61	26.12	<LOD	154.73	<LOD	877.89	<LOD	44.26	<LOD	18.18	21635.35	299.71	107.32	12.09	<LOD	46.71	<LOD	235.33	<LOD	0	174.64	42	<LOD	10.99	26.4	2.41	<LOD	104.71	<LOD	6.86	<LOD	100.59	128.68	4.3	<LOD	794.35	157.56	4.61
10-Apr-12	42	23.12	stroh 5434	105	NA	1	2	0			714	18	<LOD	37	<LOD	65	616	19	<LOD	114	<LOD	352	<LOD	40	<LOD	17	16735	236	77	10	<LOD	51	368	67	<LOD	0	443	46	17	3	34	2	<LOD	101	<LOD	5	<LOD	93	118	4	1928	379	172	4
10-Apr-12	42	22.68	embree 5444	115	NA	1	3	0			819.55	23.68	25.57	13.99	-60.12	26.16	915.7	29.7	37.08	61.88	ND		-9.77	14.68	-1.15	6.48	15430.14	280.06	119.18	14.67	-184.52	20.51	199.39	77.22	ND		156.32	46.44	10.14	4.17	17.45	2.51	71.2	41.72	-1.58	2.22	72.91	37.97	138.15	5.27	822.32	336.14	71.71	4.29
10-Apr-12	43	19.11	wilder_5420	115	NA	1	1	10			699.86	17.42	<LOD	37.88	<LOD	65.39	796.69	22.16	<LOD	171.28	<LOD	813.17	<LOD	41.18	<LOD	16.05	19746.19	266.24	79.35	10.49	<LOD	44.95	<LOD	211.78	<LOD	0	257.57	42.5	<LOD	10.33	36.59	2.49	<LOD	104.24	<LOD	5.7	<LOD	99.57	93.95	3.54	923.21	258.21	187	4.64
10-Apr-12	43	22.84	stroh 5434	105	NA	1	2	2			390	12	29	9	<LOD	60	335	13	<LOD	101	<LOD	332	<LOD	33	<LOD	14	14224	196	56	9	<LOD	47	175	56	<LOD	0	313	38	10	3	28	2	<LOD	91	<LOD	5	<LOD	85	77	3	1037	329	159	4
10-Apr-12	43	22.95	embree 5444	115	NA	1	3	0			750.82	23.01	36.38	13.83	-28.23	26.91	976.64	31.42	114.69	67.79	ND		9.68	15.83	2.71	6.9	15171.19	282.59	158.94	16.57	-160.77	21.08	160.58	77.55	ND		145.93	47.14	6.67	4.21	12.34	2.36	22.7	42.25	-0.56	2.29	78.68	38.75	116.27	4.96	869.01	346.41	62.12	4.2
10-Apr-12	44	20.35	wilder_5420	105	NA	1	3	0			852.13	20.46	<LOD	43.38	<LOD	68.48	812.1	23.59	<LOD	178.23	<LOD	879.06	<LOD	39.48	<LOD	16.82	19515.38	278.7	65.13	10.43	<LOD	47.53	<LOD	223.91	<LOD	0	399.51	49.38	<LOD	11.05	39.37	2.71	<LOD	109.06	<LOD	5.56	<LOD	104.73	94.09	3.74	1658.49	295.43	240.69	5.48
10-Apr-12	44	23.29	stroh 5434	105	NA	1	2	2			434	13	<LOD	28	<LOD	61	371	14	<LOD	100	<LOD	274	<LOD	31	<LOD	13	9592	157	34	8	<LOD	48	258	50	<LOD	0	315	37	20	3	29	2	<LOD	92	<LOD	5	<LOD	85	77	3	914	287	139	4
10-Apr-12	44	21.64	embree 5444	115	NA	1	3	2			1000.19	25.22	43.14	14.78	-19.69	24.73	1106.45	31.41	2.92	61.51	ND		-25.48	14.63	-3.02	6.3	22252.72	345.28	193.67	16.62	-212.93	19.34	200.1	86.66	ND		171.09	48.24	9.29	3.98	18.12	2.42	-39.08	39.4	-3.18	2.18	19.75	35.89	108.08	4.48	667.54	326.04	95.43	4.34
10-Apr-12	45	21.23	wilder_5420	105	NA	1	3	0			741.66	20.55	<LOD	43.58	<LOD	76.06	682.42	23.33	<LOD	194.62	<LOD	1110.02	<LOD	49.59	<LOD	19.06	22343.36	333.3	83.24	12.23	<LOD	53.15	<LOD	255.65	<LOD	0	740.09	65.29	<LOD	12.22	51.42	3.24	<LOD	123.36	<LOD	6.77	<LOD	117.76	127.13	4.64	2119.16	362.81	304.47	6.71
10-Apr-12	45	24.09	stroh 5434	105	NA	1	2	2			389	14	<LOD	31	<LOD	73	347	16	<LOD	123	<LOD	390	<LOD	35	<LOD	17	13966	234	39	10	<LOD	57	274	68	<LOD	0	389	48	18	4	41	3	<LOD	113	<LOD	6	<LOD	104	84	4	1269	398	203	5
10-Apr-12	45	22.35	embree 5444	115	NA	1	3	2			680.87	22.05	50.4	13.54	-6.42	28.34	793.63	28.38	99.78	71.73	ND		12.9	16.82	10.21	7.46	21203.84	361.95	152.95	16.61	-75.45	21.87	7.45	89.06	ND		303.23	57.64	6.72	4.42	43.23	3.38	36.27	45.5	0.8	2.41	-19.68	41.14	99.47	4.69	2379.22	423.41	180.67	5.9
10-Apr-12	46	20.84	wilder_5420	105	NA	1	3	0			1071.17	24.69	<LOD	51.31	<LOD	73.34	1164.41	30.44	<LOD	193.56	<LOD	939.42	55.07	16.46	<LOD	17.85	21999.07	321.66	127.51	13.67	<LOD	51.14	<LOD	244.24	<LOD	0	452.17	55.04	<LOD	11.74	40.96	2.94	<LOD	118.64	<LOD	7.26	<LOD	113.56	98.67	4.06	1416.75	308.86	238.19	5.78
10-Apr-12	46	22.92	stroh 5434	105	NA	1	2	4			424	13	<LOD	29	<LOD	67	341	14	<LOD	136	<LOD	368	<LOD	39	<LOD	13	17621	243	<LOD	25	<LOD	52	287	68	<LOD	0	334	43	14	3	44	3	<LOD	105	<LOD	5	<LOD	97	104	4	2277	399	247	5
10-Apr-12	46	23.18	embree 5444	115	NA	1	3	2			1031.29	29.13	80.7	17.38	-113.59	28.67	1172.13	36.81	-19.14	75.72	ND		-23.98	18.68	9.19	8.26	27351.51	458.89	189.72	18.91	-196.45	22.32	335.36	109.66	ND		95.81	54.72	17.97	4.67	14.36	2.65	63.47	45.13	-4.21	2.47	40.72	41.05	146.86	5.87	906.64	445.61	87.31	4.9
10-Apr-12	47	19.29	wilder_5420	105	NA	1	3	2			504.64	15.8	<LOD	35.04	<LOD	70.97	581.51	20.28	<LOD	166.9	<LOD	876.16	<LOD	43.4	<LOD	14	17473.93	264.22	73.19	11.04	<LOD	49.09	<LOD	220.14	<LOD	0	371.83	48.6	<LOD	11.27	44.43	2.87	<LOD	113.48	<LOD	5.09	<LOD	109.01	107.04	4.04	1069.36	281.51	268.84	5.93
10-Apr-12	47	22.49	stroh 5434	105	NA	1	2	4			490	14	<LOD	29	<LOD	66	365	14	<LOD	132	<LOD	376	<LOD	39	<LOD	15	16433	225	27	8	<LOD	51	332	64	<LOD	0	458	45	13	3	51	3	<LOD	104	<LOD	5	<LOD	96	109	4	1982	391	284	5
10-Apr-12	47	21.3	embree 5444	115	NA	1	3	2			1065.56	25.65	61.44	15.1	13.5	24.32	1244.81	32.89	57.49	68.15	ND		25.77	17.28	-4.81	6.23	28679.17	409.42	133.95	14.5	-187.26	19.16	50.85	93.87	ND		198.16	51.74	9.36	3.89	17.24	2.36	53.61	37.99	-4.91	2.1	56.37	35.29	117.99	4.58	262.08	333.4	79.2	4.06
10-Apr-12	48	19	wilder_5420	105	NA	1	3	2			536.84	15.93	<LOD	35.08	<LOD	69.03	481.25	17.99	<LOD	164.68	<LOD	856.85	<LOD	37.56	<LOD	18.05	16557.07	248.31	67.67	10.42	<LOD	48.16	<LOD	212.29	<LOD	0	319.61	45.37	<LOD	11.08	44.58	2.8	<LOD	109	<LOD	5.25	<LOD	105.3	95.07	3.75	1027.83	273.71	231.38	5.37
10-Apr-12	48	22.98	stroh 5434	105	NA	1	2	4			452	13	<LOD	29	<LOD	62	394	15	<LOD	104	<LOD	303	<LOD	32	<LOD	14	12582	186	42	8	<LOD	49	256	56	<LOD	0	234	35	12	3	33	2	<LOD	96	<LOD	5	<LOD	88	88	3	<LOD	888	171	4
10-Apr-12	48	21.77	embree 5444	115	NA	1	3	4			665.22	20.04	25.22	12.07	-100.27	25.68	714.51	24.67	106.25	65.64	ND		21	15.31	4.78	6.37	18300.05	299.34	70.43	12.01	-127.8	19.76	19.03	76.65	ND		299.19	51.83	1.04	3.99	33.8	2.85	37.69	40.86	0.04	2.13	2.51	37.16	88.4	4.1	1327.92	364.06	188.37	5.51
10-Apr-12	49	18.96	wilder_5420	105	NA	1	3	2			472.96	15.01	<LOD	33.15	<LOD	69.56	434.12	17.16	<LOD	172.83	<LOD	916.97	<LOD	40.22	<LOD	14.41	16307.48	247.31	50.24	9.86	<LOD	48.41	<LOD	206.81	<LOD	0	313.84	45.58	<LOD	11.11	47.11	2.87	<LOD	112.12	<LOD	4.98	<LOD	107.16	108.32	3.99	1118.02	288.88	236.39	5.47
10-Apr-12	49	23.82	jackson 5434	116	NA	1	4	0			1086	25	<LOD	51	<LOD	75	937	27	<LOD	143	<LOD	431	<LOD	48	<LOD	20	20382	308	119	14	<LOD	59	302	82	<LOD	0	437	53	14	4	15	2	<LOD	116	<LOD	7	<LOD	107	234	6	1633	444	95	4
10-Apr-12	49	18.64	embree 5444	115	NA	1	3	4			394.79	11.45	15.26	7.08	-24.57	17.82	489.73	15.24	2.63	36.61	ND		6.38	8.4	-6.61	3.62	8914.2	139.3	45.25	7.6	-298.84	13.85	-75.97	39.6	ND		93.17	27.04	9.85	2.91	16.88	1.69	16.62	27.15	-0.29	1.34	-46.32	25.04	47.77	2.4	564.87	203.12	66.32	2.86
10-Apr-12	50	19.91	wilder_5420	105	NA	1	3	4			456.45	14.91	<LOD	33.38	<LOD	68.61	421.48	17.12	<LOD	151.37	<LOD	847.12	<LOD	39.68	<LOD	13.66	17108.96	258.71	58.34	10.31	<LOD	47.59	<LOD	211.31	<LOD	0	303.42	45.33	<LOD	11.22	38.9	2.71	<LOD	107.06	<LOD	5.26	<LOD	102.42	92.91	3.77	1020.23	273.56	200.79	5.13
10-Apr-12	50	22.82	jackson 5434	116	NA	1	4	0			1439	28	<LOD	55	<LOD	72	1335	31	<LOD	167	<LOD	441	<LOD	53	<LOD	20	31259	394	209	16	<LOD	56	621	96	<LOD	0	281	49	13	3	28	2	<LOD	115	<LOD	7	<LOD	105	210	5	2200	462	116	4
10-Apr-12	50	22.85	embree 5444	115	NA	1	3	4			499.81	17.25	-7.64	10.19	-64.77	24.56	529.56	21.15	9.48	51.34	ND		0.08	11.63	-2.78	5.38	10604.7	207.79	70.99	11.7	-241.69	19.08	-60.42	57.82	ND		155.34	40.62	4.23	3.95	25.38	2.57	10.46	38.58	-1.29	1.83	-12.54	35.27	53.78	3.37	872.43	288.62	118.54	4.58
10-Apr-12	51	19.74	wilder_5420	105	NA	1	3	4			433	14.35	<LOD	32.39	<LOD	68.36	339.42	15.21	<LOD	140.99	<LOD	830.19	<LOD	35.79	<LOD	13.94	15462.51	238.73	40.85	9.37	<LOD	47.54	<LOD	199.18	<LOD	0	145.04	37.96	<LOD	11	36.85	2.62	<LOD	106.76	<LOD	4.65	<LOD	103.55	86.13	3.61	1060	269.75	213.11	5.2
10-Apr-12	51	24.11	jackson 5434	116	NA	1	4	0			1568	37	81	24	<LOD	92	1119	35	<LOD	206	<LOD	583	<LOD	66	<LOD	27	35277	544	241	21	<LOD	73	<LOD	363	<LOD	0	571	73	14	4	32	3	<LOD	148	<LOD	9	<LOD	136	234	7	2848	620	88	5
10-Apr-12	51	22.12	embree 5444	115	NA	1	3	4			735.3	21.81	19.59	12.95	-32.1	26.67	719.65	25.57	50.72	65.22	ND		6.65	15.32	-0.42	6.25	18551.37	311.81	133.84	14.98	-99.8	20.57	62.91	80.14	ND		323.62	54.37	4.93	4.15	38.95	3.09	54.89	43.07	-3.61	2	-32.34	38.88	79.02	4.04	1174.95	375.2	172.92	5.47
10-Apr-12	52	18.59	wilder_5420	105	NA	1	3	4			424.36	13.63	<LOD	30.22	<LOD	65.8	344.22	14.68	<LOD	152.07	<LOD	710.54	<LOD	38.11	<LOD	13.49	14371.65	217.92	30.22	8.59	<LOD	45.59	<LOD	185.73	<LOD	0	254.58	40.36	<LOD	10.41	38.16	2.54	<LOD	103.01	<LOD	4.96	<LOD	100.29	75.31	3.28	1272.95	248.18	199.22	4.83
10-Apr-12	52	24.41	jackson 5434	116	NA	1	4	2			1090	29	<LOD	57	<LOD	85	866	29	<LOD	184	<LOD	479	<LOD	53	<LOD	25	20009	343	63	13	<LOD	67	321	92	<LOD	0	221	51	16	4	27	3	<LOD	134	<LOD	8	<LOD	123	154	6	<LOD	1453	87	4
10-Apr-12	52	23.75	embree 5444	115	NA	1	3	4			619.02	22.02	18.21	13.22	-23.47	28.79	647.17	26.72	-12.85	62.78	ND		-23.24	14.46	6.38	7.29	13846.55	282.79	57.59	12.93	-155.72	22.52	175.59	79.37	ND		258.45	54.1	5.01	4.59	30.32	3.13	-16.22	46.51	-0.21	2.35	24.91	42.24	54.13	3.89	830.45	369.26	145.66	5.65
10-Apr-12	53	17.29	wilder_5420	105	NA	3	3	30			859.73	19.52	<LOD	42.03	<LOD	65.84	724.21	21.11	<LOD	147.91	<LOD	794.95	<LOD	41.21	<LOD	15.72	15184.65	222.19	89.9	10.86	<LOD	45.41	<LOD	192.67	<LOD	0	253.83	40.22	<LOD	10.19	35.8	2.48	<LOD	107.07	<LOD	5.53	<LOD	101.86	74.81	3.23	1526.67	268.98	235.97	5.13
10-Apr-12	53	24.23	jackson 5434	116	NA	1	4	2			954	25	<LOD	51	<LOD	80	847	27	<LOD	151	<LOD	403	<LOD	46	<LOD	21	15517	269	166	16	<LOD	63	392	79	<LOD	0	180	44	14	4	15	2	<LOD	124	<LOD	7	<LOD	114	149	5	<LOD	1153	87	4
10-Apr-12	53	25.28	embree 5444	115	NA	1	3	6			417.11	22.51	4.35	13.56	-95.14	38.25	888.13	39.75	263.02	100.26	ND		-32.45	16.34	-7.33	7.81	12183.76	328.33	66.3	17.37	-93.54	29.33	67.24	91.62	ND		576.33	85.49	3.52	6.02	43.79	4.47	55.65	62.53	-3.53	2.4	-4.47	56.66	59.41	5.1	1461.57	490.99	217.07	8.48
10-Apr-12	54	18.38	wilder_5420	105	NA	3	3	30			877.47	19.35	<LOD	42.05	<LOD	65.36	765.08	21.29	<LOD	142.19	<LOD	825.42	<LOD	41.01	<LOD	15.6	15747.07	223.22	82.93	10.42	<LOD	44.66	<LOD	192.33	<LOD	0	333.31	42.31	<LOD	10.2	40.31	2.54	<LOD	105.26	<LOD	5.48	<LOD	101.21	70.06	3.09	938.91	258.29	246.21	5.12
10-Apr-12	54	24.34	jackson 5434	116	NA	1	4	2			1345	26	<LOD	51	<LOD	68	1521	32	<LOD	131	<LOD	414	<LOD	47	<LOD	19	25242	323	118	13	<LOD	54	508	84	<LOD	0	318	46	<LOD	10	25	2	<LOD	108	<LOD	6	<LOD	100	184	5	1294	410	99	4
10-Apr-12	54	23.61	embree 5444	115	NA	1	3	6			511.95	19.99	9.55	12.04	0.1	29.5	929.24	32.56	-28.44	62.21	ND		-41.39	13.06	-7.43	6.25	12625.6	266.98	44.89	12.39	-123.98	22.85	172.43	76.66	ND		382.54	59.58	-1.24	4.62	38.01	3.38	40.37	48.29	-0.87	2.22	-12.38	42.56	72.85	4.36	1781.66	425.94	202.66	6.53
10-Apr-12	55	17.46	wilder_5420	105	NA	3	3	30			887.2	20.06	<LOD	42.94	<LOD	66.58	736.32	21.5	<LOD	143.12	<LOD	824.07	<LOD	39.83	<LOD	17.49	15872.04	231.13	88.56	10.91	<LOD	45.61	<LOD	193.41	<LOD	0	286.52	41.88	<LOD	10.43	38.19	2.57	<LOD	107.25	<LOD	5.95	<LOD	102.72	72.34	3.22	1183.09	267.1	225.93	5.07
10-Apr-12	55	22.94	jackson 5434	116	NA	1	4	4			439	13	<LOD	27	<LOD	62	394	14	<LOD	102	<LOD	289	<LOD	32	<LOD	13	9561	155	28	8	<LOD	49	<LOD	141	<LOD	0	158	31	15	3	32	2	<LOD	97	<LOD	5	<LOD	89	83	3	948	298	154	4
10-Apr-12	55	25.08	embree 5444	115	NA	1	3	6			395.46	20.62	23.12	12.82	-40.23	34.9	1064.52	41.33	164.9	86.12	ND		-7.97	17.17	-10.38	7.05	11869.57	302.66	55.91	15.65	-135.85	27.12	74.24	85.31	ND		173.14	58.79	-2.44	5.42	27.79	3.59	21.12	56.91	1.08	2.66	-54.11	51.23	57.79	4.72	1774.91	475.28	145.85	6.73
10-Apr-12	56	18.37	wilder_5420	105	NA	3	3	30			908.36	19.6	<LOD	41.6	<LOD	64.59	712.57	20.36	<LOD	154.1	<LOD	791.64	<LOD	39.71	<LOD	15.68	15429.41	218.67	70.19	9.89	<LOD	44.19	<LOD	186.27	<LOD	0	337.41	42.24	<LOD	10.09	34.39	2.39	<LOD	103.52	<LOD	5.46	<LOD	99.79	68.64	3.04	1140.62	255.8	229.88	4.93
10-Apr-12	56	22.95	jackson 5434	116	NA	1	4	4			429	13	<LOD	28	<LOD	67	391	15	<LOD	102	<LOD	347	<LOD	36	<LOD	14	13032	196	32	9	<LOD	52	300	59	<LOD	0	217	36	12	3	37	2	<LOD	104	<LOD	5	<LOD	96	87	3	1451	358	201	4
10-Apr-12	56	21.58	embree 5444	115	NA	3	3	30			96.88	7.79	7.69	4.95	8.36	24.9	90.58	8.99	72.09	56.8	ND		12.09	13.44	-7.09	4.22	13527.64	235.37	2.98	7.82	-85.5	19.25	66.43	64.99	ND		293.32	47.05	-1.14	3.86	39.73	2.85	-30.08	40.53	-1.3	1.44	32.12	37.16	66.01	3.5	2200.04	356.71	219.97	5.68
10-Apr-12	57	18.28	wilder_5420	105	NA	3	3	30			868.15	18.93	<LOD	40.62	<LOD	63.08	716.69	20.24	<LOD	142.91	<LOD	789.92	<LOD	37.24	<LOD	16.67	15312.52	215.55	76.63	10	<LOD	43.33	<LOD	181.12	<LOD	0	306.65	40.65	<LOD	9.91	33.67	2.35	<LOD	102.39	<LOD	5.28	<LOD	98.61	68.29	3.01	<LOD	729.08	227.94	4.86
10-Apr-12	57	23.69	jackson 5434	116	NA	1	4	4			472	16	<LOD	33	<LOD	74	469	18	<LOD	128	<LOD	416	<LOD	41	<LOD	15	16092	252	39	10	<LOD	58	359	72	<LOD	0	276	44	13	4	45	3	<LOD	117	<LOD	5	<LOD	108	101	4	1759	429	231	5
10-Apr-12	57	22.56	embree 5444	115	NA	3	3	30			123.15	9.4	9.09	5.98	-13.77	27.35	126.15	11.32	102.04	67.14	ND		-17.4	13.83	-6.3	4.84	14753.88	273.07	18.83	9.68	-59.24	21.31	147.2	75.22	ND		381.71	56.23	1.06	4.34	50.98	3.43	-51.56	45.05	-2.7	1.51	-43.33	41.03	80.97	4.17	2242.4	422.04	266.76	6.84
10-Apr-12	58	17.88	wilder_5420	105	NA	3	3	30			887.32	19.55	<LOD	42.3	<LOD	65.54	722.96	20.74	<LOD	154.82	1237.72	295.46	<LOD	39.8	<LOD	15.46	15657.25	223.16	72.41	10.08	<LOD	44.58	<LOD	187.67	<LOD	0	266.29	40.6	<LOD	10.21	43.71	2.62	<LOD	105.64	<LOD	5.41	<LOD	100.64	74.96	3.18	<LOD	794.1	231.46	5
10-Apr-12	58	23.99	jackson 5434	116	NA	1	3	0			1103	28	64	19	<LOD	85	788	27	<LOD	195	<LOD	529	<LOD	63	<LOD	21	38769	554	129	16	<LOD	68	528	123	<LOD	0	471	67	14	4	20	3	<LOD	136	<LOD	9	<LOD	124	191	6	<LOD	1560	100	5
10-Apr-12	58	21.85	embree 5444	115	NA	3	3	30			165.61	10.1	17.33	6.53	-98.46	25.92	179.19	12.47	2.97	57.44	ND		-12.76	13.19	6.73	5.77	16120.89	273.24	34.12	9.92	-87.96	19.88	79.6	72.82	ND		307.55	50.24	-3.13	4.01	48.57	3.18	54.5	42.52	1.3	1.8	20.2	38.56	68.15	3.67	2069.75	381.89	255.28	6.29
10-Apr-12	59	18.27	wilder_5420	105	NA	3	3	30			913.63	19.58	<LOD	42.02	<LOD	64.38	742.24	20.72	<LOD	155.7	<LOD	784.34	<LOD	39.22	<LOD	14.55	15811.64	221.36	84.84	10.35	<LOD	44.17	<LOD	187.95	<LOD	0	339.15	42.29	<LOD	9.95	37.12	2.44	<LOD	103.26	<LOD	5.65	<LOD	99.85	73.27	3.11	1315.88	258.32	234.86	4.96
10-Apr-12	59	23.07	jackson 5434	116	NA	1	3	0			1040	24	<LOD	48	<LOD	75	762	23	<LOD	167	<LOD	450	<LOD	51	<LOD	18	28184	377	168	15	<LOD	58	572	95	<LOD	0	341	51	<LOD	11	21	2	<LOD	120	<LOD	7	<LOD	110	239	6	<LOD	1327	109	4
10-Apr-12	59	21.06	embree 5444	115	NA	3	3	2			183.16	9.85	5.87	6.14	3.37	23.92	134.69	10.28	23.72	52.86	ND		-11.08	12.18	-2.98	4.58	13173.32	223	20.68	8.49	-83.81	18.56	155	63.37	ND		366.42	48	0.69	3.76	52.61	3.07	6.44	38.9	-1.84	1.44	26.53	35.45	74.73	3.56	1890.1	343.51	241.04	5.73
10-Apr-12	60	18.22	wilder_5420	105	NA	3	3	30			593.28	16.15	<LOD	35.94	<LOD	66.52	517.75	17.94	<LOD	156.48	864.42	278.08	<LOD	33.76	<LOD	14.53	12332.12	196.11	47.68	9.26	<LOD	45.94	<LOD	172.5	<LOD	0	279.6	40.75	<LOD	10.4	33.81	2.44	<LOD	107.89	<LOD	5.19	<LOD	102.86	66.57	3.12	<LOD	755.75	236.19	5.19
10-Apr-12	60	23.5	jackson 5434	116	NA	1	3	0			910	23	66	16	<LOD	77	939	27	<LOD	142	<LOD	425	<LOD	48	<LOD	21	23407	340	273	18	<LOD	61	409	89	<LOD	0	388	52	15	4	22	2	<LOD	124	<LOD	7	<LOD	114	191	5	<LOD	1264	103	4
10-Apr-12	60	21.29	embree 5444	115	NA	3	3	2			164.22	9.39	6.14	5.87	5.5	23.95	184.5	11.83	5.41	51.16	ND		-9.83	11.63	-6.47	4.26	13305.54	224.89	30.37	8.99	-122.8	18.4	45.46	62.07	ND		226.59	42.57	3.79	3.78	39.34	2.75	53.57	38.51	-2.42	1.36	32.07	34.67	75.46	3.57	2104	345.09	222.12	5.53
10-Apr-12	61	17.74	wilder_5420	105	NA	3	3	30			713.99	17.64	<LOD	38.15	<LOD	65.6	570.92	18.65	<LOD	146.18	<LOD	765.21	<LOD	38.3	<LOD	14.8	13760.15	208.29	58.2	9.62	<LOD	45.06	202.4	62.14	<LOD	0	292.42	40.97	<LOD	10.4	33.81	2.42	<LOD	106.06	<LOD	5.42	<LOD	99.89	68.26	3.11	982.93	248.81	226.9	5.03
10-Apr-12	61	22.21	jackson 5434	116	NA	1	3	2			750	17	<LOD	34	<LOD	62	616	18	<LOD	114	<LOD	333	<LOD	37	<LOD	15	16732	218	66	9	<LOD	48	318	62	<LOD	0	352	40	13	3	33	2	<LOD	95	<LOD	4	<LOD	89	118	4	1423	342	126	4
10-Apr-12	61	21.85	embree 5444	115	NA	3	3	2			113.66	8.53	9.89	5.45	-86.08	25.52	104.86	9.83	8.39	56.7	ND		17.41	14.59	-0.51	5.01	15422.48	263.64	14.77	8.87	-92.91	19.73	74.18	70.89	ND		354.01	51.37	2.03	4.05	47.28	3.12	4.82	41.53	-1.52	1.5	22.53	37.85	75.77	3.8	3090.3	413.08	263.63	6.36
10-Apr-12	62	18.19	wilder_5420	105	NA	3	3	2			380.51	12.08	<LOD	26.96	<LOD	63.19	320.01	13.3	<LOD	137.2	<LOD	726.16	38.38	11.77	<LOD	12.46	11238.87	173.78	49.18	8.84	<LOD	42.91	<LOD	151.59	<LOD	0	379.43	40.79	<LOD	10.08	38.91	2.39	<LOD	101.49	<LOD	4.44	<LOD	97.42	72.02	3.01	1433.5	246.97	271.3	5.22
10-Apr-12	62	22.31	jackson 5434	116	NA	1	3	2			834	18	<LOD	37	<LOD	63	709	19	<LOD	122	<LOD	337	<LOD	36	<LOD	15	18036	234	79	10	<LOD	49	262	64	<LOD	0	417	43	<LOD	9	39	2	<LOD	99	<LOD	5	<LOD	91	128	4	1974	363	126	4
10-Apr-12	62	21.17	embree 5444	115	NA	3	4	30			1101.93	25.91	33.77	14.94	-20.3	24.1	1176.8	31.54	-36.32	61.39	ND		6.36	16.63	-5.84	6.04	26605.33	382.6	127.95	14.09	-204.76	18.84	201.8	91.4	ND		299.47	53.58	-0.68	3.84	30.79	2.73	-6.6	38.06	1	2.43	5.75	35.11	62.61	3.5	1311.78	364.63	167.7	5.07
10-Apr-12	63	19.01	wilder_5420	105	NA	3	3	2			469.91	13.64	<LOD	30.14	<LOD	62.83	271.71	12.44	<LOD	128.08	<LOD	675.52	<LOD	32.81	<LOD	13.87	11601.81	179.79	<LOD	22.73	<LOD	43.48	<LOD	162.92	<LOD	0	327.15	39.5	<LOD	10.22	39.63	2.45	<LOD	100.36	<LOD	5.17	<LOD	96.58	71.25	3.05	1085.04	229.86	269.49	5.27
10-Apr-12	63	22.85	jackson 5434	116	NA	1	3	2			292	11	<LOD	23	<LOD	66	277	12	<LOD	116	<LOD	339	<LOD	35	<LOD	14	14341	207	<LOD	22	<LOD	51	371	62	<LOD	0	336	40	15	3	39	2	<LOD	105	<LOD	4	<LOD	98	108	4	2655	386	210	5
10-Apr-12	63	21.6	embree 5444	115	NA	3	4	30			887.69	22.36	45.21	13.31	-60.46	23.39	786.68	24.71	31.24	55.35	ND		2.78	13.34	0.8	5.95	17284.05	273.28	72.2	11.37	-232.97	18.16	24.13	71.01	ND		212.52	44.81	2.84	3.74	22.75	2.41	58.71	37.82	-3.49	1.96	-14.51	34.17	53.21	3.21	812.9	287.25	134.57	4.54
10-Apr-12	64	19.04	wilder_5420	105	NA	3	3	2			409.13	12.88	<LOD	29.39	<LOD	64.6	300.03	13.23	<LOD	142.33	<LOD	733.01	<LOD	32.02	<LOD	13.59	11984.3	186.16	27.82	8.04	<LOD	44.53	<LOD	169.66	<LOD	0	252.43	38.01	<LOD	10.25	43.51	2.57	<LOD	105.27	<LOD	4.48	<LOD	99.68	70.3	3.07	<LOD	689.24	271.53	5.37
10-Apr-12	64	24.71	jackson 5434	116	NA	3	1	30			147	9	<LOD	20	<LOD	73	200	12	<LOD	144	<LOD	459	<LOD	42	<LOD	14	18609	268	<LOD	25	<LOD	57	427	75	<LOD	0	463	50	<LOD	11	67	3	<LOD	118	<LOD	4	<LOD	107	140	4	2979	484	331	6
10-Apr-12	64	21.76	embree 5444	115	NA	3	4	30			708.04	21.53	69.74	13.39	-20.3	26.55	898.83	28.99	125.56	76.45	ND		1.68	17.82	1.11	6.6	30590.34	455.1	136.09	15.34	-69.6	20.95	105.92	102.82	ND		554.15	67.88	7.99	4.25	35.61	3.02	-24.99	42.76	0.74	2.35	31.49	39.18	102.48	4.54	2828.51	449.16	199.24	5.87
10-Apr-12	65	19.79	wilder_5420	105	NA	3	3	4			477.81	14.18	<LOD	31.61	<LOD	65.47	284.2	13.12	<LOD	154.4	<LOD	712.29	<LOD	33.18	<LOD	13.35	12843.05	198.07	39.14	8.7	<LOD	44.38	<LOD	173.74	<LOD	0	307.79	41	<LOD	10.31	33.1	2.37	<LOD	104.54	<LOD	4.95	<LOD	99.46	62.86	2.99	985.67	237.79	226.12	4.99
10-Apr-12	65	23.28	jackson 5434	116	NA	3	1	30			128	8	<LOD	18	<LOD	74	162	11	<LOD	136	<LOD	438	<LOD	38	<LOD	15	16792	252	<LOD	24	<LOD	58	344	71	<LOD	0	281	43	<LOD	11	55	3	<LOD	119	<LOD	4	<LOD	108	125	4	2681	465	282	6
10-Apr-12	65	21.49	embree 5444	115	NA	3	4	30			413.91	15.47	19.03	9.56	-19.47	25.69	407.75	18.3	-15.08	56.6	ND		-14.37	14.05	-3.92	5.24	17268.62	284.22	65.73	11.49	-64	19.85	210.66	76.5	ND		291.68	49.81	6.27	4.06	47.22	3.14	0.81	41.55	2	2.05	-14.52	37.96	71.04	3.71	1810.54	364.97	237.65	6.03
10-Apr-12	66	18.41	wilder_5420	105	NA	3	3	4			471.87	13.66	<LOD	29.99	<LOD	63.82	318.02	13.43	<LOD	138.23	<LOD	765.82	<LOD	35.22	<LOD	12.95	13871.64	201.88	41.35	8.57	<LOD	43.97	<LOD	175.24	<LOD	0	295.29	39.57	<LOD	9.93	39.14	2.44	<LOD	102.77	<LOD	4.84	<LOD	99.19	73.34	3.08	968.86	245.09	249.61	5.08
10-Apr-12	66	22.48	jackson 5434	116	NA	3	1	30			95	6	<LOD	14	<LOD	64	99	8	<LOD	101	<LOD	320	<LOD	32	<LOD	11	10251	159	<LOD	19	<LOD	49	190	49	<LOD	0	200	32	9	3	36	2	<LOD	102	<LOD	4	<LOD	93	91	3	2048	349	212	4
10-Apr-12	66	23.33	embree 5444	115	NA	3	4	30			479.5	18.24	6.13	10.98	-71.03	27.11	442.19	20.81	13.62	60.19	ND		-9.07	14.84	-13	4.82	14705.73	279.31	30.66	10.73	-181.79	21.11	192.73	77.62	ND		356.04	55.7	-1.77	4.29	36.33	3.13	39.99	44.17	-2.22	1.92	98.21	39.77	51.43	3.6	1183.04	343.87	170.12	5.68
10-Apr-12	67	19.16	wilder_5420	105	NA	3	3	4			388.46	13.51	<LOD	30.59	<LOD	69.35	279.78	13.77	<LOD	163.91	<LOD	803.81	<LOD	38.84	<LOD	13.41	12378.71	204.84	<LOD	25.24	<LOD	47.95	<LOD	178.74	<LOD	0	286.87	42.54	<LOD	10.86	36.64	2.6	<LOD	112.62	<LOD	4.68	<LOD	107.69	67.17	3.25	1015.95	262.19	221.29	5.24
10-Apr-12	67	22.19	jackson 5434	116	NA	3	1	30			95	6	<LOD	13	<LOD	60	97	7	<LOD	93	<LOD	303	<LOD	27	<LOD	10	8462	134	<LOD	19	<LOD	46	187	43	<LOD	0	161	29	11	3	35	2	<LOD	93	<LOD	4	<LOD	86	83	3	2003	328	184	4
10-Apr-12	67	24.89	embree 5444	115	NA	3	4	2			442.58	20.61	18.73	12.64	-65.97	32.55	450.12	24.72	32.26	74.57	ND		1.46	17.43	-8.19	6.36	15110.57	336.03	74.81	15.57	-138.56	25.45	46.72	89.31	ND		299.12	63.27	11	5.3	44.29	3.97	107.86	51.14	0.34	2.49	61.81	46.23	62.82	4.59	1160.08	430.58	165.81	6.67
10-Apr-12	68	20.06	wilder_5420	105	NA	3	3	10			308.71	12.73	34.14	9.98	<LOD	73.34	205.75	12.61	<LOD	173.27	<LOD	966.16	<LOD	42.28	<LOD	14.51	14030.62	234.78	31.43	9.53	<LOD	50.9	<LOD	200.29	<LOD	0	244.65	44.09	<LOD	11.64	45.87	2.97	<LOD	118.83	<LOD	5.09	<LOD	114.89	76.28	3.61	1415.43	311.39	262.39	6.01
10-Apr-12	68	22.97	jackson 5434	116	NA	3	2	30			177	9	<LOD	20	<LOD	71	176	11	<LOD	129	<LOD	395	<LOD	43	<LOD	15	16531	241	<LOD	22	<LOD	55	358	69	<LOD	0	381	45	<LOD	11	56	3	<LOD	113	<LOD	5	<LOD	105	134	4	4575	479	312	6
10-Apr-12	68	21.76	embree 5444	115	NA	3	4	2			423.66	15.43	20.09	9.54	-59.3	24.59	366.56	17.1	37.58	57.17	ND		-21.1	12.35	-2.58	5.21	14715.99	251.23	39.63	9.97	-120.13	19.26	130.92	69.14	ND		375.92	51.29	0.99	3.9	41.51	2.95	28.62	40.24	-0.34	1.84	-40.16	35.93	69.36	3.62	1401.08	342.36	200.26	5.5
10-Apr-12	69	19.92	wilder_5420	105	NA	3	3	10			505.92	15.12	<LOD	33.62	<LOD	68.03	287.32	13.67	<LOD	144.48	<LOD	855.44	<LOD	35.52	<LOD	15.6	12688.87	203.4	48.36	9.47	<LOD	47.57	<LOD	176.45	<LOD	0	352.86	43.75	<LOD	10.87	40.01	2.63	<LOD	110.51	<LOD	5.48	<LOD	105.58	78.93	3.39	1538.58	283.44	255.59	5.5
10-Apr-12	69	22.41	jackson 5434	116	NA	3	2	30			149	7	<LOD	16	<LOD	58	229	10	<LOD	95	<LOD	304	<LOD	28	<LOD	12	11552	163	20	7	<LOD	45	236	50	<LOD	0	289	34	<LOD	9	34	2	<LOD	88	<LOD	4	<LOD	82	100	3	2165	334	157	4
10-Apr-12	69	19.45	embree 5444	115	NA	3	4	2			446.69	14.35	27.67	8.94	21.8	22.97	386.62	15.93	-28.91	50.92	ND		6.52	13.46	5.03	5.34	18924.47	270.16	62.49	10.13	-52.87	17.7	129.66	70.26	ND		511.07	52.11	5.03	3.6	48.82	2.84	-10.62	36.83	-0.34	1.73	85.42	33.94	79.08	3.45	2574.16	353.85	252.46	5.53
10-Apr-12	70	19.88	wilder_5420	105	NA	3	3	10			416.45	13.32	<LOD	29.41	<LOD	65.86	239.78	12.24	<LOD	142.7	<LOD	755.68	<LOD	34.49	<LOD	15.31	12294.3	193.99	56.86	9.56	<LOD	45.29	<LOD	165.39	<LOD	0	277.3	39.77	<LOD	10.32	37.66	2.5	<LOD	105.8	<LOD	4.69	<LOD	101.85	90.27	3.49	1345.59	256.46	243.9	5.24
10-Apr-12	70	46.14																																																					
10-Apr-12	70	19.11	embree 5444	115	NA	3	4	4			390.54	12.66	13.06	7.8	1.83	21.2	370.08	14.72	26.22	43.39	ND		-3.65	10.4	-1.84	4.44	10604.15	172.73	58.21	9.17	-118.32	16.34	97.87	50.76	ND		177.32	34.81	2.02	3.29	37.8	2.43	76.77	34.04	-0.56	1.52	38.55	31.06	59.53	2.91	1795.1	268.93	177.86	4.45
10-Apr-12	71	21.07	wilder_5420	105	NA	3	4	30			717.16	19.95	<LOD	43.5	<LOD	74.59	1272.18	32.35	<LOD	177.69	<LOD	978.97	<LOD	44.45	<LOD	18.28	20176.51	305.92	87.77	12.25	<LOD	52.28	<LOD	243.14	<LOD	0	358.8	51.53	<LOD	12.16	55.57	3.29	<LOD	120.98	<LOD	6.88	<LOD	116.93	112.51	4.33	1906.93	330.16	295.88	6.52
10-Apr-12	71	23.4	jackson 5434		2586						417	15	<LOD	32	<LOD	79	274	15	271	74	<LOD	601	<LOD	61	<LOD	17	45961	583	56	12	<LOD	63	708	124	<LOD	0	754	72	<LOD	12	42	3	<LOD	125	<LOD	6	<LOD	117	85	4	6553	685	219	5
10-Apr-12	71	18.79	embree 5444	115	NA	3	4	4			598.28	15.57	39.47	9.61	18.3	20.71	577.35	18.14	-44.11	43.39	ND		6.3	11.97	1.11	4.86	14658.96	210.33	55.06	9.04	-182.3	15.82	198.71	59.09	ND		228.05	38.04	2.58	3.23	32.51	2.29	-5.37	33.08	2.72	1.84	9.57	29.97	66.45	2.99	1195.92	275.47	159.94	4.19
10-Apr-12	72	21.33	wilder_5420	105	NA	3	4	30			769.57	20.91	50.38	15.49	<LOD	74.35	1751.01	39.3	<LOD	198.34	<LOD	1035.45	<LOD	46.47	<LOD	19.9	21916.16	327.65	139.72	14.31	<LOD	51.97	<LOD	259.63	<LOD	0	347.27	52.82	<LOD	12.23	53.53	3.28	<LOD	119.3	<LOD	6.39	<LOD	114.89	124.08	4.57	968.11	317.87	240.11	5.96
10-Apr-12	72	23.54	jackson 5434	127	NA	1	3	0			698	21	<LOD	43	<LOD	82	753	25	<LOD	189	<LOD	535	<LOD	57	<LOD	20	36169	496	109	14	<LOD	65	554	114	<LOD	0	524	64	<LOD	12	29	3	<LOD	131	<LOD	7	<LOD	121	299	7	2173	546	152	5
10-Apr-12	72	19.62	embree 5444	115	NA	3	4	4			582.77	16.43	25.47	10.01	-1.68	22.43	505	18.14	193.24	61.05	ND		11.7	13.27	4.88	5.43	18195.49	261.56	79.63	10.76	-126.85	17.26	81.79	68.11	ND		359.13	47.68	2.18	3.54	43.64	2.72	-27.36	35.76	2.39	1.95	22.88	32.62	70.3	3.28	1914.08	330.66	229.11	5.25
10-Apr-12	73	19.39	wilder_5420	105	NA	3	4	30			874.64	22.93	70.48	16.96	<LOD	78.07	1639.42	38.61	<LOD	209.49	<LOD	1069.1	<LOD	54.16	<LOD	18.77	27205.69	392.23	153.45	15.17	<LOD	54.43	<LOD	291.96	<LOD	0	444.38	59.31	<LOD	12.66	54.24	3.38	<LOD	127.49	<LOD	6.35	<LOD	122.56	133.12	4.82	1567.72	344.95	292.49	6.7
10-Apr-12	73	24.61	jackson 5434	127	NA	1	3	0	precision		863	21	<LOD	43	<LOD	75	832	24	<LOD	165	<LOD	459	<LOD	49	<LOD	19	27148	361	98	13	<LOD	59	427	90	<LOD	0	648	60	12	4	36	3	<LOD	119	<LOD	6	<LOD	110	229	6	2418	480	199	5
10-Apr-12	73	22.08	embree 5444	115	NA	3	4	6			290.38	12.87	16.21	8.08	-41.87	25	272.05	14.89	35.63	56.84	ND		3.72	12.92	1.8	5.41	12292.78	224.3	27.7	9.4	-129.26	19.35	70.27	63.22	ND		228.55	44.82	1.19	3.9	42.06	2.97	87.11	40.56	-0.62	1.71	-30.56	36.19	64.73	3.54	84.12	303.74	177.14	5.25
10-Apr-12	74	17.87	wilder_5420	105	NA	3	4	2			575.52	15.37	<LOD	34.23	<LOD	62.97	1086.29	25.72	<LOD	141.86	<LOD	757.69	<LOD	36.01	<LOD	14.77	12771.98	194.09	75.83	10.13	<LOD	43.33	<LOD	171.14	<LOD	0	339.83	41.24	<LOD	9.92	32.41	2.32	<LOD	99.19	<LOD	5.1	<LOD	95.63	80.04	3.24	1138.32	248.77	170.86	4.36
10-Apr-12	74	23.21	jackson 5434	127	NA	1	3	0	precision		731	20	<LOD	41	<LOD	76	724	23	<LOD	158	<LOD	438	<LOD	46	<LOD	17	20939	305	141	14	<LOD	60	300	81	<LOD	0	482	54	13	4	31	3	<LOD	122	<LOD	5	<LOD	112	240	6	2360	466	129	4
10-Apr-12	74	20.53	embree 5444	105	NA	1	1	0			530.26	17.19	20.72	10.48	-3.55	25.28	454.19	18.91	-29.75	57.49	ND		-10.96	14.85	5.64	6.07	19383.98	301.39	60.34	11.21	-8.35	19.74	252.62	79.5	ND		464.31	56.08	9.13	4.15	60.66	3.41	99.08	41.85	-1.02	1.95	29.04	37.83	116.05	4.47	3213.39	420.03	369.2	7.44
10-Apr-12	75	19.65	wilder_5420	105	NA	3	4	2			552.29	15.21	<LOD	34.07	<LOD	63.74	570.27	18.42	<LOD	148.29	<LOD	795.15	<LOD	38.73	<LOD	12.5	15353.17	221.91	47.81	9.17	<LOD	44.42	<LOD	186.44	<LOD	0	381.37	44.07	<LOD	10.29	33.99	2.39	<LOD	101.54	<LOD	4.97	<LOD	98.3	88.96	3.42	1077.03	256.34	229.11	5.02
10-Apr-12	75	23.22	jackson 5434	127	NA	1	3	0	precision		611	18	50	13	<LOD	75	712	22	<LOD	141	<LOD	443	<LOD	45	<LOD	18	18520	273	147	14	<LOD	58	223	74	<LOD	0	456	51	<LOD	10	25	2	<LOD	121	<LOD	6	<LOD	111	238	6	2119	457	118	4
10-Apr-12	75	21.28	embree 5444	105	NA	1	1	0			482.2	16.52	11.4	10.02	30.55	25.38	441.45	18.83	106.89	62.75	ND		3.04	14.35	-6.41	5.08	17609.72	284.97	60.87	11.24	-57.65	19.67	89.25	74.7	ND		419.02	54.52	5.67	4.04	41.57	2.97	52.15	41.06	-2.94	1.75	105.23	37.4	99.34	4.21	2945	395.05	268.98	6.36
10-Apr-12	76	19.65	wilder_5420	105	NA	3	4	2			516.45	14.95	<LOD	33.83	<LOD	65.73	642.65	19.94	<LOD	149.74	<LOD	1008.32	<LOD	39.63	<LOD	14.89	15717.85	229.44	41.49	9.09	<LOD	45.37	<LOD	192.75	<LOD	0	395.67	45.52	<LOD	10.46	38.72	2.55	<LOD	105.86	<LOD	5.18	<LOD	101.4	98.71	3.64	3891.13	360.46	258.65	5.42
10-Apr-12	76	24.58	jackson 5434	127	NA	1	3	0	precision		619	17	51	12	<LOD	74	725	22	<LOD	134	<LOD	410	<LOD	42	<LOD	18	18265	264	128	13	<LOD	57	<LOD	213	<LOD	0	344	46	<LOD	10	26	2	<LOD	119	<LOD	6	<LOD	109	240	6	1690	420	119	4
10-Apr-12	76	20.1	embree 5444	105	NA	1	1	0			500.87	16.12	31.26	10	24.58	24.65	494.62	19.06	82.32	60.58	ND		18.55	14.57	-2.92	5.24	18060.38	276.68	61.99	10.86	-15.22	18.99	82.94	72.18	ND		325.36	49.35	9.49	3.91	51.25	3.08	12	40.12	0.08	1.91	136.4	36.61	102.59	4.08	2280.41	377.65	283.26	6.23
10-Apr-12	77	21.98	wilder_5420	116	NA	1	2	0			1020.48	24.65	<LOD	53.07	<LOD	73.87	716.46	24.09	<LOD	191.13	<LOD	852.35	<LOD	43.7	<LOD	17.58	17699.2	283.36	157.38	14.89	<LOD	52.02	<LOD	231.28	<LOD	0	157.74	43.65	<LOD	11.33	16.11	2.32	<LOD	117.91	<LOD	6.58	<LOD	114.29	152.66	5.07	<LOD	821.88	96.7	4.3
10-Apr-12	77	23.19	jackson 5434	127	NA	1	3	0	precision		603	17	<LOD	37	<LOD	74	718	22	<LOD	143	<LOD	431	<LOD	43	<LOD	17	18414	271	119	13	<LOD	58	255	74	<LOD	0	397	49	<LOD	10	22	2	<LOD	120	<LOD	6	<LOD	110	235	6	1715	437	116	4
10-Apr-12	77	20.48	embree 5444	105	NA	1	1	2			378.46	13.47	25.99	8.47	-7.13	23.03	365.79	15.8	5.6	50.88	ND		5.94	12.19	2.27	5.15	14205.46	226.23	51.41	9.78	-103.09	17.82	11.52	61.26	ND		258.06	42.95	6.29	3.68	46.26	2.84	27.08	36.8	0.15	1.72	-29.78	33.16	85.39	3.63	1339.3	315.6	235.88	5.48
10-Apr-12	78	55.05																																																					
10-Apr-12	78	23.14	jackson 5434	127	NA	1	3	0	precision		585	17	<LOD	36	<LOD	74	688	22	<LOD	144	467	150	<LOD	44	<LOD	17	17892	265	122	13	<LOD	58	408	75	<LOD	0	344	47	<LOD	10	23	2	<LOD	120	<LOD	6	<LOD	110	238	6	1466	442	111	4
10-Apr-12	78	21.63	embree 5444	105	NA	1	1	2			363.32	14.19	15.84	8.8	-75.28	24.71	345.16	16.5	70.02	57.38	ND		-5.3	12.14	6.05	5.78	13913.09	240.06	42.57	10.08	-128.25	19.06	-31.48	64.47	ND		254.1	45.95	0.63	3.92	38.6	2.85	-61.69	39.3	0.98	1.89	-0.73	36.15	92.16	4.04	1586.01	334.93	245.26	6.02
10-Apr-12	79	19.85	wilder_5420	116	NA	1	2	0			1181.52	24.47	<LOD	51.17	<LOD	68.45	1063.45	27.15	<LOD	179.35	<LOD	888.35	<LOD	46.33	<LOD	16.38	22699.69	307.77	179.66	14.29	<LOD	47.48	<LOD	241.97	<LOD	0	362.59	49.07	<LOD	10.53	22.81	2.32	<LOD	108.51	<LOD	6.66	<LOD	103.8	155.84	4.66	<LOD	801.38	99.41	3.95
10-Apr-12	79	23.46	jackson 5434	127	NA	1	3	0			708	20	<LOD	42	<LOD	77	931	27	<LOD	151	<LOD	473	<LOD	52	<LOD	20	23896	345	62	12	<LOD	61	<LOD	262	<LOD	0	592	59	13	4	65	3	<LOD	125	<LOD	6	<LOD	115	302	7	2513	500	167	5
10-Apr-12	79	22.09	embree 5444	105	NA	1	1	2			426.55	16.04	42.66	10.24	-72.05	25.88	439.7	19.45	-9.83	57.29	ND		-0.31	14.15	-3.96	5.41	16075.49	277.06	62.2	11.64	-122.24	20.02	68	73.74	ND		338.42	52.26	-2.07	4.09	45.34	3.17	20.59	41.53	-5.04	1.58	38.19	37.72	84.94	4.08	1897.52	373.58	250.57	6.35
10-Apr-12	80	20.29	wilder_5420	116	NA	1	2	0			995.73	22.89	<LOD	48.62	<LOD	72.83	860.39	24.96	<LOD	171.66	<LOD	888.33	<LOD	45.08	<LOD	16.28	19914.77	289.65	115.74	12.71	<LOD	49.73	<LOD	227.15	<LOD	0	370.7	49.6	<LOD	10.6	20.55	2.31	<LOD	116.4	<LOD	6.26	<LOD	111.63	162.41	4.91	<LOD	799.55	102.38	4.12
10-Apr-12	80	23.26	jackson 5434	127	NA	1	3	0			653	18	<LOD	38	<LOD	75	802	24	<LOD	153	<LOD	455	<LOD	44	<LOD	19	21803	309	93	12	<LOD	59	362	82	<LOD	0	685	59	17	4	44	3	<LOD	118	<LOD	6	<LOD	110	201	5	2964	490	223	5
10-Apr-12	80	19.55	embree 5444	105	NA	1	1	4			353.01	12.13	27.2	7.69	21.74	20.99	470.89	16.7	62.91	47.97	ND		2.41	11.18	-1.7	4.52	13769.91	206.48	31.62	8.18	-170.79	16.22	49.55	56.82	ND		233.53	38.8	4.21	3.35	37	2.43	-22.31	32.9	2.09	1.68	9.03	30.04	83.36	3.34	1612.94	273.68	193.55	4.67
10-Apr-12	81	18.87	wilder_5420	116	NA	1	2	2			914.8	19.8	50.15	14.44	<LOD	64.04	732.79	20.81	<LOD	164.75	<LOD	712.8	<LOD	35.81	<LOD	14.38	16003.22	225.47	112.82	11.31	<LOD	43.74	<LOD	188.93	<LOD	0	205.56	38.42	<LOD	9.72	23.8	2.16	<LOD	101.22	<LOD	5.52	<LOD	97.67	139.93	4.15	<LOD	656.67	104.67	3.73
10-Apr-12	81	22.86	jackson 5434	127	NA	1	3	2			442	14	<LOD	28	<LOD	66	644	19	<LOD	116	<LOD	341	<LOD	37	<LOD	15	13195	197	52	9	<LOD	51	254	59	<LOD	0	330	40	<LOD	10	35	2	<LOD	104	<LOD	5	<LOD	95	111	4	1474	355	187	4
10-Apr-12	81	21.36	embree 5444	105	NA	1	4	0			806.16	22.95	27.06	13.6	-4.98	27.14	892.56	28.67	-87.7	62.56	ND		-21.04	15.49	-1.43	6.42	24573.1	381.99	162.22	16.08	-54.81	20.87	115.62	92.14	ND		400.99	59.56	2.78	4.1	35.72	3.03	-36.02	44.95	1.95	2.45	81.66	40.39	185.71	5.95	1349.51	405.73	153	5.34
10-Apr-12	82	18.8	wilder_5420	116	NA	1	2	2			973.13	22.52	<LOD	47.99	<LOD	70.24	825.32	24.37	224.68	65.76	<LOD	833.33	<LOD	43.74	<LOD	18.07	19174.06	280.82	167.6	14.32	<LOD	48.96	<LOD	222.96	<LOD	0	280.31	46.65	<LOD	11.03	23.1	2.38	<LOD	111.59	<LOD	6.46	<LOD	107.75	195.63	5.37	<LOD	773.86	114.68	4.3
10-Apr-12	82	22.79	jackson 5434	127	NA	1	3	2			410	13	<LOD	28	<LOD	69	514	17	<LOD	131	<LOD	370	<LOD	39	<LOD	12	14693	216	51	10	<LOD	53	233	62	<LOD	0	303	41	<LOD	10	34	2	<LOD	109	<LOD	5	<LOD	101	177	5	2136	396	191	5
10-Apr-12	82	20.83	embree 5444	105	NA	1	4	0			729.64	20.25	35.45	12.21	-16.98	24.08	934.66	27.4	-23.2	58.4	ND		2.55	15.21	0.89	6.04	21691.62	324.61	115.51	13.34	-142.55	18.89	168.77	81.82	ND		442	55.74	5.9	3.86	33.29	2.73	39.53	39.19	1.33	2.18	41.19	35.7	118.75	4.48	1528.18	361.46	175.87	5.17
10-Apr-12	83	55.29																																																					
10-Apr-12	83	22.88	jackson 5434	127	NA	1	3	2			425	13	<LOD	28	<LOD	65	546	17	<LOD	112	<LOD	386	<LOD	35	<LOD	13	13097	195	41	9	<LOD	51	282	58	<LOD	0	355	41	12	3	35	2	<LOD	102	<LOD	4	<LOD	93	125	4	2160	401	193	4

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
10-Apr-12	83	23.34	embree 5444	105	NA	1	4	0			774.32	24.86	37.37	14.88	-23.05	28.74	787.41	29.64	-53.4	67.02	ND		-4.83	16.86	10.86	7.92	21251.93	381.4	109.22	15.64	-186.91	22.38	44.15	94.1	ND		323.14	60.89	5.01	4.64	44.8	3.61	105.99	45.93	1.18	2.62	6.97	41.85	133.5	5.63	2255.88	458.83	183.41	6.29
10-Apr-12	84	19.77	twellman_5420	116	NA	1	2	2			872.32	20.04	<LOD	42.71	<LOD	67.08	621.12	19.83	<LOD	160.09	<LOD	751.79	<LOD	39	<LOD	16.62	15341.33	227.82	88.6	10.99	<LOD	46.29	<LOD	187.54	<LOD	0	170.18	38.02	<LOD	10.03	24.99	2.27	<LOD	106.61	<LOD	5.93	<LOD	102.92	128.89	4.15	<LOD	711.88	106.98	3.89
10-Apr-12	84	23.18	jackson 5434	127	NA	1	3	4			257	11	<LOD	23	<LOD	68	224	11	<LOD	101	<LOD	320	<LOD	34	<LOD	12	9595	163	<LOD	23	<LOD	52	169	51	<LOD	0	187	34	<LOD	10	36	2	<LOD	106	<LOD	5	<LOD	99	76	3	1444	340	203	5
10-Apr-12	84	20.42	embree 5444	105	NA	1	4	2			452.14	14.75	14.87	9.03	-26.16	22.83	432.77	17.2	15.48	52.08	ND		-13.13	12.4	3.89	5.35	15076.68	235.77	59	10.12	-153.15	17.59	204.46	65.77	ND		271.43	43.95	4.11	3.67	45.88	2.84	17.41	36.61	-0.34	1.74	10.99	33.24	81.55	3.57	1696.88	329.27	245.92	5.59
10-Apr-12	85	18.65	twellman_5420	116	NA	1	2	4			765.49	17.91	<LOD	38.94	<LOD	64.85	551.16	17.92	<LOD	140.38	<LOD	749.85	43.79	13.06	<LOD	15.59	16054.88	225.89	72.97	10.04	<LOD	44.39	<LOD	184.37	<LOD	0	305.79	41.19	<LOD	9.88	35.1	2.41	<LOD	104.76	<LOD	5.05	<LOD	99.89	105.5	3.65	1280.93	252.16	156.65	4.24
10-Apr-12	85	22.5	jackson 5434	127	NA	1	3	4			289	10	<LOD	23	<LOD	63	349	13	<LOD	117	<LOD	345	<LOD	34	<LOD	12	12271	179	45	8	<LOD	49	211	53	<LOD	0	250	36	<LOD	9	31	2	<LOD	98	<LOD	4	<LOD	91	87	3	2365	373	177	4
10-Apr-12	85	20.59	embree 5444	105	NA	1	4	2			404.35	14.1	24.72	8.81	-0.82	23.34	392.59	16.57	-32.67	50.75	ND		1.58	13.09	-2.9	4.88	16372.17	252.69	30.53	9	-123.19	17.98	111.82	67.77	ND		320.5	46.6	3.03	3.71	46.71	2.89	-0.91	37.41	-2.19	1.61	66.41	33.89	84	3.66	1606.09	330.68	249.55	5.7
10-Apr-12	86	17.9	twellman_5420	116	NA	1	2	4			759.98	18.46	<LOD	39.72	<LOD	66.96	490.21	17.46	<LOD	138.52	<LOD	804.16	<LOD	38.48	<LOD	14.32	14936.37	222.51	63.95	9.97	<LOD	45.77	<LOD	187.66	<LOD	0	172.72	37.33	<LOD	10.02	33.05	2.44	<LOD	107.44	<LOD	5.28	<LOD	103.28	106.25	3.78	<LOD	742.98	140.03	4.2
10-Apr-12	86	46.16																																																					
10-Apr-12	86	19.9	embree 5444	105	NA	1	4	2			500.94	15.21	16.91	9.28	0.64	22.28	477.6	17.66	36.07	51.92	ND		-9.19	11.65	-4.56	4.7	15276.49	232.6	41.49	9.14	-139.82	17.26	63.79	62.81	ND		313.35	44.59	3.41	3.56	39.4	2.63	29.11	36.11	-1.77	1.65	58.48	32.85	87.57	3.59	1736.29	320.71	230.54	5.31
10-Apr-12	87	19.28	twellman_5420	116	NA	1	2	6			324.7	13.35	<LOD	29.93	<LOD	76.77	263.07	14.45	<LOD	179.63	<LOD	986.24	<LOD	45.43	<LOD	18.83	18313.14	287.52	50.72	10.61	<LOD	53.77	<LOD	235.6	<LOD	0	408.69	52.88	<LOD	12.14	64.81	3.5	<LOD	124.85	<LOD	5.49	<LOD	120.09	151.86	5	2114.69	337.27	363.57	7.34
10-Apr-12	87	23.94	jackson 5434	143	NA	1	2	0			360	14	<LOD	30	<LOD	80	263	15	<LOD	142	<LOD	445	<LOD	41	<LOD	18	15602	262	<LOD	27	<LOD	63	<LOD	222	<LOD	0	313	48	<LOD	12	40	3	<LOD	128	<LOD	5	<LOD	118	94	4	2321	476	275	6
10-Apr-12	87	20.92	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			797.1	20.57	18.21	12.13	29.32	23.04	973.73	27.12	171.35	62.04	ND		-13.8	12.85	1.61	5.89	17671	270.99	142.77	13.69	-185.54	17.98	137.83	71.65	ND		211.26	44.61	-0.21	3.54	15.56	2.14	29.65	37.02	1.17	2.1	-9.76	33.4	139.68	4.66	1556.7	316.87	71.73	3.76
10-Apr-12	88	18.48	twellman_5420	116	NA	1	2	4			508.39	14.78	<LOD	32.97	<LOD	64.57	407.44	15.81	<LOD	126.68	<LOD	694.12	<LOD	33.09	<LOD	15.32	11768.61	188.84	66.61	9.91	<LOD	44.83	<LOD	166.88	<LOD	0	270.42	38.98	<LOD	10.33	30.6	2.34	<LOD	101.56	<LOD	4.94	<LOD	98.25	84.61	3.4	942.63	233.41	222.8	5.03
10-Apr-12	88	24.33	jackson 5434	143	NA	1	2	0			496	18	<LOD	38	<LOD	86	353	18	<LOD	147	<LOD	481	<LOD	52	<LOD	20	17242	304	47	12	<LOD	68	<LOD	247	<LOD	0	491	59	16	4	43	3	<LOD	135	<LOD	7	<LOD	125	126	5	1973	504	215	6
10-Apr-12	88	20.89	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			797.53	20.83	56.34	12.66	-8.02	24.03	981.69	27.58	204.15	65.45	ND		-17	12.8	-1.33	5.85	17962.31	277.55	127.9	13.38	-167.68	18.33	109.07	72.71	ND		223.5	46.12	9.09	3.7	15.42	2.17	82.64	38.03	-0.28	2.08	67.95	34.63	144.22	4.8	1241.47	322.03	79.47	3.92
10-Apr-12	89	18.27	twellman_5420	116	NA	1	2	6			681.11	16.24	<LOD	35.33	<LOD	61.82	510	16.66	<LOD	128.6	737.36	242.45	<LOD	34.91	<LOD	13.33	12328.74	183.04	74.83	9.69	<LOD	42.6	<LOD	160.03	<LOD	0	175.96	33.96	<LOD	9.36	29.79	2.2	<LOD	98.52	<LOD	4.55	<LOD	95.23	106.06	3.53	<LOD	626.4	143.33	3.96
10-Apr-12	89	23.85	jackson 5434	143	NA	1	2	0			560	18	<LOD	37	<LOD	81	326	16	<LOD	157	<LOD	497	<LOD	51	<LOD	19	21825	332	42	11	<LOD	63	459	89	<LOD	0	464	56	<LOD	12	45	3	<LOD	128	<LOD	6	<LOD	118	158	5	3487	545	221	6
10-Apr-12	89	20.84	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			835.16	21.23	17.69	12.47	14.65	23.7	982.08	27.43	37.05	56.55	ND		-24.11	12.4	-3.72	5.61	17604.93	272	165.07	14.51	-179.28	18.15	136.64	71.99	ND		210.08	44.51	4.21	3.62	12.96	2.08	65.81	37.3	-4	1.84	-0.11	34.01	144.87	4.78	926.43	310.27	77.95	3.88
10-Apr-12	90	20.71	twellman_5420	116	NA	1	2	6			397.88	13.54	<LOD	29.49	<LOD	68.89	442.86	17.13	<LOD	146.24	<LOD	824.75	<LOD	35.44	<LOD	12.67	11208.32	190.23	101.83	11.64	<LOD	47.51	<LOD	173.75	<LOD	0	302.91	41.98	<LOD	10.62	33.92	2.51	<LOD	108.79	<LOD	4.76	<LOD	105.73	111.71	3.98	<LOD	748.98	204.14	5.05
10-Apr-12	90	23.16	jackson 5434	143	NA	1	2	2			185	9	<LOD	19	<LOD	62	192	10	<LOD	98	<LOD	304	<LOD	30	<LOD	13	10798	169	32	8	<LOD	49	<LOD	152	<LOD	0	257	35	13	3	29	2	<LOD	95	<LOD	3	<LOD	88	69	3	1448	324	129	4
10-Apr-12	90	20.87	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			754.82	19.99	83.77	12.51	7.28	23.36	1013.94	27.8	128.4	59.84	ND		-31.97	11.99	0.45	5.9	17590.81	270.62	160.6	14.28	-176.11	18.06	156.28	71.89	ND		167.09	42.77	0.22	3.54	14.42	2.11	-32.59	36.97	-0.56	2.02	83.02	34.04	149.63	4.83	1376.1	306.93	66.91	3.72
10-Apr-12	91	18.61	twellman_5420	116	NA	1	2	6			271.25	11.9	<LOD	27.16	<LOD	75.56	226.13	13.11	<LOD	189.56	<LOD	970.04	<LOD	44.83	<LOD	13.26	16359.85	258.54	65.32	11.01	78.02	17.59	<LOD	211.18	<LOD	0	518.2	54.62	<LOD	12.03	57.48	3.23	<LOD	124.93	<LOD	5.35	<LOD	119.77	126.39	4.46	2731.36	344.84	386.97	7.36
10-Apr-12	91	23.35	jackson 5434	143	NA	1	2	2			213	10	<LOD	20	<LOD	65	178	10	<LOD	100	<LOD	260	<LOD	30	<LOD	13	7466	140	<LOD	21	<LOD	51	<LOD	134	<LOD	0	139	30	16	3	27	2	<LOD	100	<LOD	4	<LOD	92	72	3	1048	287	139	4
10-Apr-12	91	20.78	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			820.02	20.93	29.59	12.43	-1.2	23.32	976.77	27.25	96.59	59.53	ND		20.07	13.93	6.26	6.24	17810.13	273.23	133.06	13.48	-194.77	18	-3.51	70.23	ND		170.86	43.13	6.72	3.63	10.77	2	4.55	37.32	-6.05	1.69	-19.53	33.62	138.92	4.67	918.75	310.77	71.86	3.78
10-Apr-12	92	20.81	twellman_5420	116	NA	1	2	6			312.39	12.34	<LOD	27.38	<LOD	70.62	368.4	16.03	<LOD	158.82	<LOD	827.65	<LOD	38.39	<LOD	15.55	13128.49	216.87	51.66	10.05	<LOD	49.43	<LOD	187.2	<LOD	0	565.09	52.77	<LOD	11.28	39.56	2.72	<LOD	115.19	<LOD	4.56	<LOD	110.22	123.82	4.29	2077.97	297.59	250.17	5.71
10-Apr-12	92	24.23	jackson 5434	143	NA	1	2	2			223	11	<LOD	24	<LOD	75	170	12	<LOD	120	<LOD	375	<LOD	38	<LOD	15	10491	197	<LOD	27	<LOD	59	<LOD	176	<LOD	0	237	41	14	4	30	2	<LOD	115	<LOD	5	<LOD	106	72	4	1318	389	151	5
10-Apr-12	92	20.92	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			806.7	20.71	33.85	12.36	27.24	23.37	971.39	27.12	125.88	60.87	ND		5.39	13.49	-1.71	5.71	17764.05	272.28	136.64	13.55	-176.84	18.06	61.03	70.89	ND		135.7	41.78	-2.14	3.52	14.48	2.11	58.22	36.88	-5.14	1.74	75.68	33.61	142.12	4.71	576.43	294.87	71.6	3.77
10-Apr-12	93	19.12	twellman_5420	116	NA	1	2	6			176.8	9.87	<LOD	22.51	<LOD	76.2	218.07	12.93	<LOD	168.31	<LOD	961.45	<LOD	44.73	<LOD	16.35	14223.59	237.22	<LOD	25.81	60.31	17.65	<LOD	202.83	<LOD	0	460.03	51.93	<LOD	12.18	61.85	3.34	<LOD	125.47	<LOD	5.07	<LOD	120.06	118.33	4.36	2492.4	338.36	390.92	7.46
10-Apr-12	93	24.39	jackson 5434	143	NA	3	2	30			434	13	<LOD	28	<LOD	64	323	13	<LOD	108	<LOD	370	<LOD	38	<LOD	13	14309	206	25	8	<LOD	51	343	61	<LOD	0	259	38	<LOD	10	41	2	<LOD	102	<LOD	5	<LOD	94	106	4	1810	382	255	5
10-Apr-12	93	20.79	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			837.96	21.44	34.33	12.75	32.03	23.91	971.05	27.47	215.08	64.91	ND		-16.61	13.57	10.91	6.63	18020.77	278.65	140.72	13.85	-172.6	18.32	250.71	74.82	ND		225.6	46.1	3.29	3.63	15.58	2.18	-42.18	38.43	-2.82	1.94	-25.8	34.77	148.88	4.88	1674.6	317.09	71.36	3.83
10-Apr-12	94	19.91	twellman_5420	116	NA	1	2	6			182.94	8.68	<LOD	20.24	<LOD	62.4	208.52	11.04	<LOD	140.49	<LOD	744.26	<LOD	29.88	<LOD	12.6	10906.99	173.67	29.57	8.03	<LOD	43.38	<LOD	153.01	<LOD	0	468.61	44.12	<LOD	9.9	39.03	2.42	<LOD	98.48	<LOD	4.25	<LOD	94.51	78.69	3.17	1487.01	253.44	228.91	4.9
10-Apr-12	94	25.87	jackson 5434	143	NA	3	2	30			383	16	<LOD	33	<LOD	84	316	17	<LOD	158	<LOD	487	<LOD	44	<LOD	19	16555	289	<LOD	31	<LOD	66	326	82	<LOD	0	509	59	<LOD	13	44	3	<LOD	135	<LOD	6	<LOD	123	110	5	3779	558	277	7
10-Apr-12	94	20.21	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			1042.59	25.66	38.45	14.93	13.49	26.31	1082.25	30.78	-43.38	65.61	ND		3.17	17.36	-4.68	6.35	29125.96	418.9	161.16	15.7	-39.79	20.28	169.39	97.15	ND		225.9	53.66	-7.04	3.8	17.49	2.48	49.08	43.18	0.83	2.49	85.48	38.6	427.73	9.1	2350.42	423.93	119.57	5.06
10-Apr-12	95	17.94	twellman_5420	116	NA	1	2	6			196.21	9.75	<LOD	21.56	<LOD	71.72	198.64	11.77	<LOD	176.16	<LOD	937.42	<LOD	38.8	<LOD	15.11	12415.59	204.84	56.61	10.03	<LOD	49.53	<LOD	180.69	<LOD	0	616.43	53.72	<LOD	11.36	53.53	2.98	<LOD	118.9	<LOD	4.68	<LOD	113.98	108.82	3.96	1655.57	304.64	350.85	6.63
10-Apr-12	95	22.97	jackson 5434	143	NA	3	2	30			326	12	<LOD	25	<LOD	69	246	12	<LOD	127	<LOD	391	<LOD	40	<LOD	14	13563	206	<LOD	23	<LOD	53	181	60	<LOD	0	359	43	11	3	45	3	<LOD	108	<LOD	5	<LOD	98	106	4	2204	411	261	5
10-Apr-12	95	20.48	embree 5444	105	NA	1	5	0 (first 7 shots at same spot)			1165.91	26.65	48.08	15.4	34.61	25.08	1423.66	35.03	74.23	66.11	ND		32.96	16.99	7.06	7.11	24444.05	357.27	191.43	16.25	-107.37	19.31	97.27	86.35	ND		260.81	51.78	9.07	3.82	16.5	2.33	25.67	40.3	-3.8	2.22	67.63	36.73	186.25	5.61	794.61	341.55	75.57	4.05
10-Apr-12	96	19.73	twellman_5420	116	NA	1	2	6			306.2	12.21	<LOD	27.61	<LOD	70.04	265.94	13.65	<LOD	151.93	<LOD	829.42	<LOD	33.13	<LOD	15.26	8686.4	166.76	<LOD	23.59	<LOD	48.66	<LOD	150.88	<LOD	0	582.64	51.71	<LOD	10.92	33.89	2.56	<LOD	112.36	<LOD	4.82	<LOD	109.54	68.23	3.32	1229.01	273.6	230.39	5.43
10-Apr-12	96	25.22	jackson 5434	143	NA	3	2	2			392	15	<LOD	31	<LOD	78	328	16	<LOD	164	<LOD	453	<LOD	42	<LOD	15	17677	275	<LOD	29	<LOD	60	252	75	<LOD	0	441	52	<LOD	12	46	3	<LOD	123	<LOD	5	<LOD	113	121	4	2828	489	309	6
10-Apr-12	96	21.92	embree 5444	105	NA	1	5	2			803.44	22.27	33.42	13.28	-49.47	25.34	922.91	28.38	135.52	67.15	ND		-0.49	15.1	-1.46	6.17	18150.83	298.31	87.03	12.76	-157.06	19.65	194.17	79.01	ND		333.87	53.35	4.4	3.98	28.43	2.72	43.9	40.87	-3.83	1.98	18.77	36.7	112.17	4.56	1344.72	360.64	139.05	4.92
10-Apr-12	97	19.45	twellman_5420	116	NA	1	2	6			353.9	11.64	<LOD	26.52	<LOD	61.26	382.54	14.46	<LOD	132.62	<LOD	713.53	<LOD	28.32	<LOD	12.5	8306.62	144.12	<LOD	22.47	<LOD	42.45	<LOD	135.29	<LOD	0	592.57	46.07	<LOD	9.82	34.13	2.28	<LOD	96.82	<LOD	4.57	<LOD	93.24	65.15	2.89	901.98	230	197.74	4.49
10-Apr-12	97	23.55	jackson 5434	143	NA	3	2	2			513	16	40	12	<LOD	75	528	19	<LOD	141	<LOD	460	<LOD	43	<LOD	17	17809	272	52	11	<LOD	58	269	75	<LOD	0	425	50	<LOD	11	29	2	<LOD	121	<LOD	5	<LOD	110	104	4	2492	480	182	5
10-Apr-12	97	23.77	embree 5444	105	NA	1	5	2			706.24	24.44	28.16	14.64	17.75	30.13	920.56	33.33	-36.95	65.89	ND		2.31	17.34	-4.87	6.89	16760.76	333.16	103.42	15.91	-129.1	23.51	146.46	88.67	ND		297.66	59.42	6.47	4.73	25.9	3.11	79.32	48.38	2.24	2.69	84.5	43.84	108.66	5.3	624.71	375.74	115.16	5.45
10-Apr-12	98	20.15	twellman_5420	116	NA	1	2	6			317.16	12.88	<LOD	28.82	<LOD	73.56	306.4	15.14	<LOD	155.26	<LOD	759.12	<LOD	37.58	<LOD	14.72	9696.63	185.03	<LOD	26.64	<LOD	50.42	<LOD	167.65	<LOD	0	565.13	53.23	<LOD	11.47	41.46	2.85	<LOD	118.79	<LOD	5.19	<LOD	112.51	68.43	3.45	1176.95	263.54	220.47	5.52
10-Apr-12	98	24.01	jackson 5434	143	NA	3	2	2			307	13	<LOD	29	<LOD	77	300	15	<LOD	129	<LOD	400	<LOD	37	<LOD	16	11317	207	40	10	<LOD	60	292	64	<LOD	0	360	47	24	4	39	3	<LOD	121	<LOD	6	<LOD	109	108	4	1399	410	218	5
10-Apr-12	98	19.72	embree 5444	105	NA	1	5	2			785.72	19.32	34.88	11.57	42.69	22.23	888.17	24.4	56.65	53.31	ND		17.59	12.87	-0.19	5.44	17939.84	259.04	82.83	10.96	-131.42	17.24	-48.32	66.02	ND		350.21	46.69	0.11	3.4	24.39	2.27	21.15	35.64	0.37	1.96	50.09	32.16	99.32	3.78	1635.5	302.71	126.85	4.15
10-Apr-12	99	18.43	twellman_5420	116	NA	1	2	6			170.71	7.98	<LOD	18.39	<LOD	60.81	273.14	11.87	<LOD	110.09	<LOD	574.85	<LOD	27.96	<LOD	11.3	4761.75	101.14	<LOD	21.39	<LOD	41.43	<LOD	99.55	<LOD	0	730.11	46.83	<LOD	9.39	37.05	2.24	<LOD	96.81	<LOD	3.9	<LOD	93.2	58.39	2.67	<LOD	560.64	209.22	4.44
10-Apr-12	99	24.08	jackson 5434	143	NA	3	2	4			218	12	<LOD	25	<LOD	81	218	13	<LOD	135	<LOD	390	<LOD	39	<LOD	18	10134	199	<LOD	29	<LOD	63	<LOD	181	<LOD	0	291	45	<LOD	12	30	3	<LOD	129	<LOD	5	<LOD	119	120	5	2676	453	159	5
10-Apr-12	99	19.64	embree 5444	105	NA	1	5	4			926.83	20.92	38.21	12.35	-5.86	21.55	1298.4	29.74	-25.01	50.27	ND		3.31	12.56	-3.5	5.45	19205.73	268.27	91.9	11.21	-206.67	16.67	3.53	68.06	ND		373.26	47.29	3.06	3.37	25.8	2.29	25.72	33.64	-0.17	1.99	-19.6	30.39	99.55	3.74	924.86	290.61	108.81	3.89
10-Apr-12	100	18.37	twellman_5420	116	NA	1	2	6			159.08	8.53	<LOD	18.95	<LOD	67.73	134.07	9.48	<LOD	153.72	<LOD	681.79	<LOD	31.05	<LOD	14.2	6147.7	128.74	<LOD	22.71	<LOD	46.42	<LOD	123.07	<LOD	0	753.06	53.23	<LOD	10.62	37.76	2.5	<LOD	110.38	<LOD	4.09	<LOD	105.38	73.79	3.24	1135.59	236.29	283.39	5.68
10-Apr-12	100	24.08	jackson 5434	143	NA	3	2	4			208	11	<LOD	24	<LOD	77	307	15	<LOD	134	<LOD	385	<LOD	39	<LOD	14	11564	212	<LOD	28	<LOD	61	<LOD	188	<LOD	0	323	46	<LOD	11	35	3	<LOD	122	<LOD	6	<LOD	113	106	4	1880	418	172	5
10-Apr-12	100	20.71	embree 5444	105	NA	1	5	4			987.68	23.44	37.29	13.73	41.37	23.74	1179.42	30.45	105.13	62.97	ND		-8.89	14.19	2.26	6.3	20561.54	304.71	128.18	13.51	-156.85	18.37	173.47	78.09	ND		251.03	48.1	-1.73	3.67	34.3	2.72	17.94	37.33	-1.15	2.16	49.91	33.99	113.84	4.3	1479.78	347.99	158.31	4.83
10-Apr-12	101	20.47	twellman_5420	116	NA	1	2	6			190.03	9.18	<LOD	20.47	<LOD	66.45	113.36	8.78	<LOD	134.83	<LOD	703.06	<LOD	31.22	<LOD	11.13	6946.87	137.48	<LOD	21.92	<LOD	45.9	<LOD	131.81	<LOD	0	638.21	49.6	<LOD	10.39	34.86	2.42	<LOD	106.39	<LOD	3.96	<LOD	102.97	61.2	2.99	1240.51	242.99	228.17	5.08
10-Apr-12	101	24.86	jackson 5434	143	NA	3	4	30			352	12	<LOD	26	<LOD	68	519	18	<LOD	111	<LOD	319	<LOD	33	<LOD	14	9039	159	<LOD	25	<LOD	53	<LOD	148	<LOD	0	171	33	15	3	24	2	<LOD	107	<LOD	5	<LOD	99	98	4	1327	337	117	4
10-Apr-12	101	20.32	embree 5444	105	NA	1	5	4			1115.28	24.72	38.2	14.28	4.17	22.91	1386.46	32.81	-13.31	57.4	ND		6.62	15.05	3.17	6.44	22814.28	322.83	122.43	13.19	-159.52	18.04	163.77	80.4	ND		244.54	47.64	4.21	3.66	30.97	2.6	-33.89	36.29	-1.77	2.18	47.96	33.49	126.18	4.43	1616.31	351.72	152.05	4.69
10-Apr-12	102	56.63																																																				
10-Apr-12	102	22.61	jackson 5434	143	NA	3	4	30			30	4	<LOD	8	<LOD	51	60	5	<LOD	56	<LOD	193	<LOD	17	<LOD	8	1072	41	<LOD	14	<LOD	40	<LOD	47	<LOD	0	<LOD	49	20	3	10	1	<LOD	74	<LOD	3	<LOD	69	54	2	<LOD	516	41	2
10-Apr-12	102	20.18	embree 5444	105	NA	1	5	6			303.51	11.85	11.36	7.37	-25.8	22.6	358.06	15.37	67.04	52.49	ND		-0.11	11.42	2.63	4.99	13150.84	211.21	45.9	9.3	-134.42	17.34	15.64	58.13	ND		288.25	43.03	6.8	3.61	38.63	2.6	-0.04	36.23	-1.9	1.47	-5.73	32.76	68.69	3.27	1989.08	331.09	230.77	5.32
10-Apr-12	103	19.51	stroh_5420		2586			0			426.59	16.23	<LOD	36.68	<LOD	81.19	317.65	16.78	439.82	95.4	<LOD	1253.37	87.47	23.67	<LOD	18.32	48125.54	636.85	61.76	12.18	<LOD	57.61	<LOD	395.04	<LOD	0	637.28	75.28	<LOD	12.61	48.46	3.32	<LOD	133.05	<LOD	5.96	<LOD	127.77	85.55	4.12	4179.43	453.87	251.9	6.4
10-Apr-12	103	23.19	jackson 5434	143	NA	3	4	30			199	10	<LOD	21	<LOD	69	164	10	<LOD	122	<LOD	375	<LOD	39	<LOD	12	14872	222	<LOD	25	<LOD	53	210	63	<LOD	0	248	39	16	3	46	3	<LOD	108	<LOD	4	<LOD	99	88	3	2452	410	210	5
10-Apr-12	103	58.28																																																				
10-Apr-12	104	19.32	stroh_5420	127	NA	3	1	30			256.82	11.23	<LOD	25.26	<LOD	70.69	181.56	11.48	<LOD	146.55	<LOD	798.41	<LOD	40.04	<LOD	13.78	11203.25	195.55	<LOD	26.77	<LOD	49.61	<LOD	171.25	<LOD	0	395	46.26	<LOD	11.09	36.09	2.62	<LOD	116.13	<LOD	4.62	<LOD	111.49	69.34	3.35	1225.34	268.78	237.01	5.51
10-Apr-12	104	22.59	jackson 5434	143	NA	3	4	30			238	10	<LOD	21	<LOD	65	204	11	<LOD	111	<LOD	374	<LOD	37	<LOD	14	15982	219	37	9	<LOD	50	<LOD	182	<LOD	0	444	44	<LOD	10	44	2	<LOD	102	<LOD	4	<LOD	94	98	3	2853	410	245	5
10-Apr-12	104	20.16	embree 5444	105	NIST 2586	1	5	6			460.07	16.83	-5.84	9.99	40.76	27.22	338.45	17.28	364.15	96.86	ND		52.62	23.24	2.93	6.07	49046.11	651.01	73.33	12.82	52.68	21.34	346.76	128.67	ND		674.65	77.32	-6.52	4.09	51.78	3.37	17.31	45.12	0.21	2.09	127.98	41.52	80.77	4.04	5432.77	585.51	262.49	6.5
10-Apr-12	105	20.54	stroh_5420	127	NA	3	1	30			254.38	11.3	27.02	8.85	<LOD	72.45	214.95	12.49	<LOD	177.24	<LOD	920.34	<LOD	38.26	<LOD	16.05	14732.81	235.73	34.26	9.31	<LOD	50.76	<LOD	198.18	<LOD	0	606.3	55.37	<LOD	11.75	53.96	3.07	<LOD	116.93	<LOD	5.52	<LOD	114.06	100.18	3.93	2574.67	327.98	356.95	6.87
10-Apr-12	105	24.01	jackson 5434	143	NA	3	4	30			159	8	<LOD	17	<LOD	60	134	8	<LOD	81	<LOD	251	<LOD	26	<LOD	11	4902	102	<LOD	21	<LOD	47	<LOD	101	<LOD	0	178	29	10	3	25	2	<LOD	92	<LOD	4	<LOD	86	50	3	939	266	128	3
10-Apr-12	105	20.19	embree 5444	116	NA	1	1	0			1015.2	23.24	36.44	13.56	29.17	23.18	1022.51	27.47	83.25	60.13	ND		-1.69	14.19	3.06	6.12	21522.83	307.33	151.31	13.88	-192.03	17.72	164.62	77.68	ND		266.05	47.57	2.07	3.54	20.29	2.28	21.23	36.43	-3.28	2	8.85	33.13	148.65	4.74	669.83	298.72	93.56	3.99
10-Apr-12	106	20.04	stroh_5420	127	NA	3	1	30			372.41	14.49	<LOD	32.18	<LOD	76.69	324.76	16.2	<LOD	184.69	<LOD	1003.01	<LOD	43.29	<LOD	17.02	16286.78	269.63	34.69	10.09	<LOD	53.99	<LOD	219.28	<LOD	0	545.36	57.6	<LOD	12.54	48.31	3.16	<LOD	126.8	<LOD	5.45	<LOD	122.06	104.4	4.28	2558.07	354.16	303.9	6.75
10-Apr-12	106	24.29	jackson 5434	143	NA	3	4	2			218	9	<LOD	20	<LOD	65	180	10	<LOD	109	<LOD	327	<LOD	34	<LOD	13	11903	178	<LOD	21	<LOD	50	222	54	<LOD	0	313	38	<LOD	9	41	2	<LOD	102	<LOD	4	<LOD	93	77	3	1499	341	206	4
10-Apr-12	106	21.1	embree 5444	116	NA	1	1	0			986.35	24.47	34.89	14.3	36.09	25.46	933.87	27.97	26.93	60.34	ND		1.26	14.81	-1.89	6.19	19451.98	306.06	170.44	15.53	-93.2	19.56	127.21	78.8	ND		297.69	50.97	2.12	3.8	16.69	2.33	49.46	40.72	-1.36	2.24	146.09	37.33	148.89	5.08	2037.47	373.67	95.05	4.3
10-Apr-12	107	21.66	stroh_5420	127	NA	3	3	30			119.23	8.2	<LOD	19	<LOD	71.92	196.86	12.16	<LOD	176.11	<LOD	900.75	<LOD	39.74	<LOD	13.32	14280.57	234.72	<LOD	26.19	<LOD	50.12	<LOD	198.03	<LOD	0	392.26	48.95	<LOD	11.76	48.74	2.99	<LOD	114.53	<LOD	4.53	<LOD	111.03	84.75	3.71	2209.73	317.85	265.65	5.98
10-Apr-12	107	24.6	jackson 5434	143	NA	3	4	2			181	9	<LOD	18	<LOD	63	185	10	<LOD	99	<LOD	267	<LOD	28	<LOD	12	6180	119	<LOD	22	<LOD	49	131	40	<LOD	0	127	28	<LOD	9	30	2	<LOD	99	<LOD	4	<LOD	91	92	3	1472	299	144	4
10-Apr-12	107	20.32	embree 5444	116	NA	1	1	0			1062.19	24.56	46.96	14.34	50.17	23.98	1075.73	29.08	3.77	59.28	ND		10.82	15.35	-2.84	6.01	24654.18	349.75	158.4	14.61	-135.77	18.57	68.09	83.99	ND		259.61	49.7	1.15	3.64	23.58	2.46	46.42	38.02	-3.01	2.12	43.05	34.72	148.62	4.88	1253.33	329.48	93.55	4.11
10-Apr-12	108	20.35	stroh_5420	127	NA	3	3	30			136.62	8.87	<LOD	20.37	<LOD	74.29	165.42	11.53	<LOD	176.91	<LOD	884.33	<LOD	39.17	<LOD	15.94	13187.6	227.7	<LOD	27.17	<LOD	51.57	<LOD	199.13	<LOD	0	308.63	46.51	<LOD	11.77	40.52	2.85	<LOD	119.31	<LOD	4.49	<LOD	115.31	76.38	3.64	1691.23	304.31	259.35	6.04
10-Apr-12	108	23.1	jackson 5434	143	NA	3	4	2			175	9	<LOD	19	<LOD	66	132	9	<LOD	102	<LOD	314	<LOD	30	<LOD	13	9766	162	<LOD	21	<LOD	52	178	50	<LOD	0	233	35	<LOD	10	37	2	<LOD	105	<LOD	4	<LOD	96	71	3	1457	335	195	4
10-Apr-12	108	19.61	embree 5444	116	NA	1	1	2			935.51	22.03	17.14	12.8	45.15	23.58	953.31	26.25	-45.87	51.69	ND		53.16	15.66	1.42	5.89	18433.97	273.09	132.13	13.26	-96.93	18.06	79.57	70.86	ND		365.29	49.01	-6.58	3.47	27.19	2.44	30.5	37.82	-0.86	2.07	43.88	34.3	111.9	4.13	841.46	305.08	136.75	4.43
10-Apr-12	109	21.27	stroh_5420	127	NA	3	3	30			111.69	8.01	<LOD	18.02	<LOD	72.67	152.33	10.85	<LOD	158.72	<LOD	965.12	<LOD	41.81	<LOD	14.25	13254.65	223.35	<LOD	24.75	<LOD	51.4	<LOD	194.23	<LOD	0	287.44	44.61	<LOD	11.75	50.92	3.04	<LOD	118.33	<LOD	4.71	<LOD	114.7	93.18	3.87	1305	306.5	315.66	6.54
10-Apr-12	109	24.17	jackson 5434	143	NA	3	4	4			188	8	<LOD	18	<LOD	62	187	10	<LOD	108	<LOD	324	<LOD	30	<LOD	11	10628	160	<LOD	21	<LOD	48	181	49	<LOD	0	265	35	<LOD	9	40	2	<LOD	97	<LOD	4	<LOD	90	74	3	1861	343	182	4
10-Apr-12	109	20.05	embree 5444	116	NA	1	1	2			850.06	20.38	46.93	12.22	21.3	22.53	805.32	23.39	7.29	51.12	ND		15.42	13.77	-0.2	5.51	16267.17	244.29	113.15	12.15	-166.5	17.26	203.29	66.9	ND		198.09	41.1	-0.09	3.44	31.74	2.49	33.61	35.89	-0.67	1.97	43.93	32.47	105.55	3.93	1049.06	293.07	131.69	4.26
10-Apr-12	110	21.7	stroh_5420	146	NA	1	2	0			570.67	17.65	<LOD	39.32	<LOD	74.17	382.09	17.19	<LOD	172.09	<LOD	862.29	<LOD	41.46	<LOD	17.08	16649.92	267.65	63.87	11.08	<LOD	51.9	<LOD	228.75	<LOD	0	222.85	44.8	<LOD	11.88	42.35	2.96	<LOD	121.02	<LOD	5.98	<LOD	115.19	95.55	4.03	<LOD	821.83	201.25	5.42
10-Apr-12	110	22.54	jackson 5434	133	NA	3	4	30			104	7	<LOD	15	<LOD	71	106	8	<LOD	125	<LOD	411	<LOD	38	<LOD	14	14641	215	<LOD	22	<LOD	54	<LOD	181	<LOD	0	340	42	14	3	53	3	<LOD	113	<LOD	4	<LOD	103	107	4	3772	461	308	6
10-Apr-12	110	21.68	embree 5444	116	NA	1	1	2			1131.75	27.96	47.58	16.19	-8.39	26.82	1388.48	36.84	39.57	68.84	ND		8.13	17.14	-8.74	6.46	25164.19	390.3	190.84	17.3	-136.42	20.51	98.4	93.35	ND		288.84	56.38	-2.05	4.04	34.23	3.03	7.64	42.82	-2.38	2.43	61.23	38.53	171.32	5.75	1691.98	396.61	133.79	5.09
10-Apr-12	111	19.94	stroh_5420	146	NA	1	2	0			302.33	13.02	<LOD	29.3	<LOD	77.01	272.38	14.81	<LOD	193.76	<LOD	1069.68	<LOD	44.63	<LOD	17.28	20125.85	310.25	43.88	10.35	<LOD	53.23	<LOD	250.93	<LOD	0	334.84	51.82	<LOD	12.2	57.67	3.36	<LOD	125.43	<LOD	5.91	<LOD	119.78	108.81	4.33	1490.85	339.44	276.47	6.39
10-Apr-12	111	24.56	jackson 5434	133	NA	3	4	30			338	12	<LOD	25	<LOD	67	406	15	<LOD	120	<LOD	375	<LOD	35	<LOD	15	14677	212	<LOD	23	<LOD	51	<LOD	179	<LOD	0	500	46	<LOD	10	40	2	<LOD	104	<LOD	5	<LOD	96	83	3	2888	414	248	5
10-Apr-12	111	18.64	embree 5444	116	NA	1	1	2			1199.64	24.3	57.5	14.08	4.8	22.33	1125.84	27.49	-30.29	52.67	ND		43.95	15.25	4.84	6.14	21693.36	292.61	179.86	14.18	-148.86	17.01	91.68	73.25	ND		281.87	45.65	-0.66	3.4	39.86	2.68	18.45	35.09	-2	2.11	53.56	32.38	179.56	4.94	1445.08	321.5	163.93	4.6
10-Apr-12	112	19.84	stroh_5420	146	NA	1	2	0			380.49	14.17	<LOD	31.91	<LOD	74.56	242.74	13.69	<LOD	183.9	<LOD	962.18	<LOD	40.73	<LOD	14.96	17225.61	271.13	50.19	10.32	<LOD	51.7	<LOD	226.49	<LOD	0	385.86	50.96	<LOD	11.58	46.47	3.01	<LOD	119.16	<LOD	5.01	<LOD	116.42	104.28	4.14	1258.61	307.81	205.69	5.42
10-Apr-12	112	23.85	jackson 5434	133	NA	3	4	30			371	11	<LOD	24	<LOD	61	318	12	<LOD	88	<LOD	277	<LOD	30	<LOD	13	10466	156	23	7	<LOD	47	152	47	<LOD	0	324	35	<LOD	9	37	2	<LOD	95	<LOD	4	<LOD	87	75	3	2437	329	193	4
10-Apr-12	112	19.33	embree 5444	116	NA	1	1	4			503.96	15.11	17.04	9.22	16.98	22.76	465.42	17.3	19.36	50.8	ND		38.27	13.41	-5.15	4.65	13774.8	214.8	62.48	10.1	-102.86	17.29	10.94	58.66	ND		332.34	44.44	-0.08	3.55	46.34	2.76	5.64	36.78	-3.43	1.55	74.13	33.42	86.08	3.54	1502.59	319.87	283.61	5.82
10-Apr-12	113	20.02	stroh_5420	146	NA	1	2	2			246.17	11.39	<LOD	26.41	<LOD	74.01	220.09	12.95	<LOD	167.42	<LOD	895.52	<LOD	38.61	<LOD	15.86	14411.12	238.5	<LOD	26.47	<LOD	50.91	<LOD	203.69	<LOD	0	358.37	48.16	<LOD	11.61	46.6	2.98	<LOD	118.53	<LOD	4.55	<LOD	114.33	97.71	3.99	1071.63	287.83	207.06	5.39
10-Apr-12	113	22.54	jackson 5434	133	NA	3	4	2			128	7	<LOD	15	<LOD	60	85	7	<LOD	91	<LOD	297	<LOD	29	<LOD	11	8184	134	<LOD	19	<LOD	47	193	43	<LOD	0	240	32	<LOD	9	33	2	<LOD	94	<LOD	3	<LOD	87	63	3	1719	319	184	4
10-Apr-12	113	20.11	embree 5444	116	NA	1	1	4			454.68	14.37	5.37	8.68	7.66	22.34	439.95	16.84	-56.75	44.22	ND		-2.22	11.43	3.24	5.12	12505.02	201.95	51.65	9.45	-148.35	17.07	90.49	57.25	ND		232.8	39.71	1.59	3.49	36.36	2.53	-30.34	35.48	-0.95	1.63	5.17	31.97	76.27	3.37	1875.35	317.72	198.91	4.92
10-Apr-12	114	20.41	stroh_5420	146	NA	1	2	2			322.46	13.4	<LOD	30.43	<LOD	75.44	262.02	14.52	<LOD	175.67	1203.19	333.57	<LOD	44.84	<LOD	17.81	14929.8	252.43	<LOD	28.17	<LOD	52.68	<LOD	217.19	<LOD	0	517.44	55.77	<LOD	11.88	43.16	3	<LOD	122.53	<LOD	5.38	<LOD	118.1	95.32	4.08	<LOD	874.31	204.41	5.53
10-Apr-12	114	24.32	jackson 5434	133	NA	1	1	3			233	10	<LOD	21	<LOD	68	161	10	<LOD	125	<LOD	400	<LOD	36	<LOD	11	14251	209	<LOD	25	<LOD	53	270	61	<LOD	0	345	41	<LOD	10	46	3	<LOD	108	<LOD	4	<LOD	100	105	4	3995	458	351	6
10-Apr-12	114	20.53	embree 5444	116	NA	1	1	4			298.68	11.3	-2.98	6.82	28.65	21.11	275.25	12.97	-27.78	39.83	ND		3.63	9.5	-11.54	3.51	6920.03	135.45	24.52	7.74	-204.66	16.28	-4.8	41.07	ND		106.23	30.42	9.05	3.4	23.56	2.11	-4.42	33.28	-1.76	1.35	23.69	30.31	57.18	2.91	455.27	239.67	142.88	4.16
10-Apr-12	115	22.41	stroh_5420	146	NA	1	2	2			305.37	13.35	<LOD	30.09	<LOD	76.98	267.85	14.98	<LOD	185.81	<LOD	952.63	<LOD	41.39	<LOD	17.58	17141.92	283.33	38.53	10.27	<LOD	53.51	<LOD	236.71	<LOD	0	432.58	54.65	<LOD	12.06	47.79	3.19	<LOD	122.76	<LOD	6.01	<LOD	119.93	115.74	4.54	2194.64	337.76	214.13	5.8
10-Apr-12	115	23.42	jackson 5434	155	NA	3	2	30			164	8	<LOD	18	<LOD	64	136	9	<LOD	95	<LOD	285	<LOD	27	<LOD	13	5707	117	<LOD	20	<LOD	50	127	39	<LOD	0	216	32	<LOD	10	30	2	<LOD	99	<LOD	4	<LOD	92	54	3	949	295	151	4
10-Apr-12	115	19	embree 5444	116	NA	1	1	6			241.86	9.75	6.83	6.05	29.93	20.57	213.1	10.98	-5.16	42.14	ND		12.93	10.06	-1.35	4.14	9008.35	151.81	22.53	7.36	-157.56	15.74	-12.86	44.24	ND		163.41	32.9	2.74	3.23	34.93	2.29	-10.45	32.96	-0.88	1.34	-13.73	29.95	63.05	2.89	737.29	261.46	196.1	4.52
10-Apr-12	116	22.29	stroh_5420	146	NA	3	1	30			475.27	18.43	<LOD	41.43	<LOD	84.7	460.86	21.65	<LOD	183.55	<LOD	1124.28	<LOD	46.59	<LOD	17.14	16171.55	302.6	43.34	11.86	<LOD	59.55	<LOD	250.81	<LOD	0	514.88	63.19	<LOD	13.67	40.68	3.36	<LOD	138.11	<LOD	5.84	<LOD	132.52	98.75	4.71	<LOD	1030.59	206.09	6.32
10-Apr-12	116	22.77	jackson 5434	155	NA	3	2	30			216	9	<LOD	20	<LOD	63	197	10	<LOD	100	<LOD	313	<LOD	29	<LOD	13	8425	143	<LOD	21	<LOD	49	150	45	<LOD	0	243	34	<LOD	9	36	2	<LOD	99	<LOD	4	<LOD	91	68	3	2062	345	203	4
10-Apr-12	116	19.11	embree 5444	116	NA	3	3	30			110.32	6.32	8.37	4.03	29.4	18.07	81.23	6.61	-41.18	32.17	ND		5.5	8.05	-6.49	3.12	6048.75	110.32	11.84	5.96	-291.74	13.87	-2.4	33.94	ND		181.61	28.85	-3.7	2.82	18.89	1.71	66.07	27.66	0.41	1.16	-41.64	24.98	54.14	2.5	348.19	190.68	95.76	3.18
10-Apr-12	117	21.72	stroh_5420	146	NA	3	1	30			473.61	15.68	<LOD	34.67	<LOD	72.72	482.95	18.91	<LOD	167.09	<LOD	815.14	<LOD	39.94	<LOD	15.97	15617.52	251.28	41.55	9.93	<LOD	50.57	<LOD	211.47	<LOD	0	391.37	49.52	<LOD	11.45	40.75	2.85	<LOD	116.49	<LOD	4.89	<LOD	112.06	97.04	3.98	1862.34	295.07	203.2	5.34
10-Apr-12	117	23.15	jackson 5434	155	NA	3	2	30			228	10	<LOD	22	<LOD	69	173	10	<LOD	129	<LOD	372	<LOD	33	<LOD	14	10820	180	<LOD	22	<LOD	54	<LOD	161	<LOD	0	261	39	<LOD	10	46	3	<LOD	110	<LOD	4	<LOD	102	81	3	2240	401	254	5
10-Apr-12	117	18.48	embree 5444	116	NA	3	3	30			126.97	6.33	5.04	3.97	-9.99	16.81	100.98	6.79	-33.62	29.11	ND		-3.39	6.66	-8.75	2.74	4851.72	91.8	-5.34	4.61	-328.04	12.9	-15.86	28.68	ND		189.62	26.86	9.49	2.73	11.53	1.42	10.67	25.06	0.85	1.11	-10.65	22.84	48.68	2.26	312.07	166.07	52.13	2.55
10-Apr-12	118	20.58	stroh_5420	146	NA	3	1	30			567.11	16.77	<LOD	36.85	<LOD	70.86	566.07	19.96	<LOD	169.82	<LOD	912.54	<LOD	43.14	<LOD	16.65	17671.54	265.83	66.26	10.76	<LOD	49.7	<LOD	219.87	<LOD	0	543.19	54.09	<LOD	11.42	55.01	3.11	<LOD	115.6	<LOD	5.55	<LOD	110.13	127.05	4.36	2050.48	314.06	262.02	5.86
10-Apr-12	118	22.8	jackson 5434	155	NA	3	2	2			179	9	<LOD	19	<LOD	67	178	10	<LOD	114	<LOD	342	<LOD	32	<LOD	13	10245	166	<LOD	23	<LOD	52	153	51	<LOD	0	361	40	<LOD	10	44	2	<LOD	106	<LOD	4	<LOD	98	82	3	2968	394	299	5
10-Apr-12	118	18.72	embree 5444	116	NA	3	3	30			41.06	3.96	-5.22	2.25	-34.17	16.26	22.34	3.82	-71.3	22.43	ND		-10.7	4.58	-4.17	2.86	689.88	33.1	-11.03	3.94	-341.25	12.51	-40.34	11.33	ND		39.96	17.14	7.72	2.62	4.7	1.17	32.09	24.15	-2.28	0.76	-57.52	22.07	42.62	2.1	-256.57	128.71	22.38	2.15
10-Apr-12	119	20.23	stroh_5420	146	NA	3	1	2			347.31	13.34	<LOD	30.67	<LOD	70.69	299.01	14.86	<LOD	146.8	<LOD	880.04	<LOD	39.99	<LOD	13.15	12948.09	220.54	38.58	9.73	<LOD	49.47	<LOD	190.8	<LOD	0	431.14	49.42	<LOD	11.28	38.03	2.75	<LOD	113.39	<LOD	4.61	<LOD	109.71	91.22	3.84	914.46	278.73	203.81	5.3
10-Apr-12	119	22.89	jackson 5434	155	NA	3	2	2			186	9	<LOD	19	<LOD	66	250	12	<LOD	105	<LOD	368	<LOD	34	<LOD	14	11139	176	<LOD	22	<LOD	52	<LOD	158	<LOD	0	321	39	<LOD	10	42	2	<LOD	104	<LOD	4	<LOD	96	86	3	1908	382	297	5
10-Apr-12	119	19.4	embree 5444	116	NA	3	3	2			74.01	5.12	1.16	3.15	-65.48	16.69	119.23	7.4	-21.12	29.13	ND		-6.05	5.85	-7.5	2.8	2939.09	70.76	0.66	4.92	-366.01	12.93	-39.46	22.51	ND		200.75	26.83	4.11	2.69	7.93	1.33	-5.41	24.8	-1.63	0.88	-81.8	22.47	52.48	2.36	-161.77	148.92	18.08	2.21
10-Apr-12	120	21.33	stroh_5420	146	NA	3	1	2			291.16	13.32	<LOD	30.64	<LOD	77.92	266.85	15.29	<LOD	182.68	<LOD	898.21	<LOD	42.46	<LOD	12.79	12404.48	233.07	43.74	10.85	<LOD	54.81	<LOD	207.37	<LOD	0	347.85	50.59	<LOD	12.29	37.69	2.98	<LOD	125.79	<LOD	5.88	<LOD	120.47	85.24	4.06	898.09	290.87	158.84	5.19
10-Apr-12	120	22.71	jackson 5434	155	NA	3	2	2			198	9	<LOD	19	<LOD	65	209	11	<LOD	117	<LOD	352	<LOD	33	<LOD	12	11030	172	<LOD	23	<LOD	51	338	54	<LOD	0	442	42	<LOD	10	37	2	<LOD	103	<LOD	4	<LOD	96	67	3	1909	369	254	5
10-Apr-12	120	19.53	embree 5444	116	NA	3	3	2			18.62	3.3	-2.66	1.85	-46.28	16.62	16.81	3.66	-46.86	24.92	ND		-5.32	5.13	-5.21	2.84	565.14	31.26	-10.33	4.14	-363.32	12.83	-39.61	10.82	ND		41.38	17.83	9.89	2.72	6.64	1.27	-29.29	24.7	-0.72	0.89	-49.28	22.76	42.23	2.16	-336.91	128.89	20.17	2.2
10-Apr-12	121	21.23	stroh_5420	146	NA	3	1	2			426.2	16.1	<LOD	36.42	<LOD	77.85	411.35	18.92	<LOD	181.24	<LOD	1006.45	<LOD	45.41	<LOD	17.92	17762.17	297.54	70.84	12.16	<LOD	54.25	<LOD	243.07	<LOD	0	508.8	58.83	<LOD	12.45	53.29	3.41	<LOD	122.58	<LOD	5.83	<LOD	117.79	90.43	4.18	1395.28	328.99	191.15	5.62
10-Apr-12	121	22.46	jackson 5434	154	NA	3	4	30			97	6	<LOD	14	<LOD	64	131	8	<LOD	89	<LOD	318	<LOD	29	<LOD	12	7171	128	<LOD	20	<LOD	49	142	42	<LOD	0	307	35	<LOD	9	40	2	<LOD	103	<LOD	4	<LOD	93	80	3	2264	352	263	5
10-Apr-12	121	20.06	embree 5444	116	NA	3	3	2			105.25	6.3	13.11	4.13	-3.87	18.13	122.91	8.01	-51.2	29.8	ND		1.06	7.17	-7.17	3.12	4283.06	92.39	8.88	5.86	-334.8	13.95	-49.57	28.5	ND		158.5	27.37	8.34	2.95	10.85	1.52	24.63	27.16	-1.01	1.06	-77.19	24.7	61.99	2.68	453.84	183.94	59.28	2.86
10-Apr-12	122	22.41	stroh_5420	143	NA	1	1	2			154.3	9.25	<LOD	21.07	<LOD	71.22	200.44	12.43	<LOD	168.33	<LOD	839.19	<LOD	36.62	<LOD	13.69	11068.31	201.26	<LOD	26.83	<LOD	50.37	<LOD	185	<LOD	0	272.12	43.59	<LOD	11.79	46.52	2.97	<LOD	113.05	<LOD	4.75	<LOD	108.25	65.17	3.39	<LOD	765.71	186.75	5.13
10-Apr-12	122	22.69	jackson 5434	154	NA	3	4	30			386	12	<LOD	25	<LOD	59	422	14	<LOD	91	<LOD	267	<LOD	25	<LOD	13	7183	124	<LOD	19	<LOD	46	<LOD	120	<LOD	0	187	30	<LOD	9	26	2	<LOD	91	<LOD	4	<LOD	84	62	3	1335	289	162	4
10-Apr-12	122	20.18	embree 5444	116	NA	3	3	4			234.8	10.4	11.52	6.53	-53.89	22.75	189.02	11.24	17.57	46.5	ND		5.28	10.99	0.32	4.62	10717.42	183.34	19.81	7.88	-106.52	17.31	10.83	52.29	ND		174.35	36.72	0.86	3.49	35.99	2.51	-22.84	36.16	-2.04	1.37	3.93	33.26	82.37	3.48	953.39	268.28	195.69	4.91
10-Apr-12	123	52.52																																																				
10-Apr-12	123	22.19	jackson 5434	154	NA	3	4	30			389	11	<LOD	23	<LOD	56	392	13	<LOD	93	<LOD	274	<LOD	26	<LOD	12	7469	121	<LOD	20	<LOD	44	120	39	<LOD	0	163	28	10	3	29	2	<LOD	87	<LOD	4	<LOD	80	57	2	1516	292	153	3
10-Apr-12	123	20.94	embree 5444	116	NA	3	4	2			156.72	9.1	19.91	5.97	-4.16	24.11	137.19	10.24	-40.6	47.22	ND		16.57	12.41	1.97	4.94	11200.83	198.22	10.76	7.92	-78.75	18.4	18.34	56.21	ND		182.75	39.18	-4.4	3.67	47.74	2.92	-47.06	39.14	-1.31	1.46	23.25	34.96	89.11	3.79	3102.09	383.39	237.13	5.64
10-Apr-12	124	53.83																																																				
10-Apr-12	124	22.31	jackson 5434	154	NA	3	4	30			289	10	<LOD	21	<LOD	58	287	11	<LOD	86	<LOD	242	<LOD	25	<LOD	12	6477	113	<LOD	19	<LOD	45	<LOD	109	<LOD	0	131	26	<LOD	9	25	2	<LOD	90	<LOD	4	<LOD	83	53	2	2342	299	149	4
10-Apr-12	124	20.09	embree 5444	106	NA	1	5	0			608.56	17.14	7.94	10.21	30.9	22.75	633	20.77	135.29	58.9	ND		26.85	14.05	-4.64	4.94	17288.95	257.3	108.13	12.07	-153.9	17.49	86.95	67.84	ND		211.39	42.89	-0.14	3.47	24.29	2.31	-5.79	35.68	1.42	1.93	-10.75	32.71	220.73	5.65	1204.43	306.45	123.96	4.35
10-Apr-12	125	20.48	jackson_5420		2586						457.43	16.48	<LOD	35.91	<LOD	80.28	336.8	16.93	482.44	96.59	<LOD	1336.71	<LOD	68.97	<LOD	20.18	49212.72	635.67	69.29	12.19	<LOD	56.3	<LOD	395.1	<LOD	0	596.14	73.3	<LOD	12.34	50.15	3.3	<LOD	130.13	<LOD	6.06	<LOD	124.84	80.25	3.94	4768.68	476.5	242.98	6.16
10-Apr-12	125	24.62	twellman_5434		2711						1172	26	95	18	<LOD	79	303	15	<LOD	166	<LOD	499	<LOD	48	<LOD	21	25812	357	72	12	<LOD	61	379	90	<LOD	0	638	60	<LOD	11	100	4	<LOD	126	<LOD	8	<LOD	116	243	6	3465	537	243	6
10-Apr-12	125	19.03	embree 5444	106	NA	1	5	2			301.22	11.29	0.72	6.87	25.88	21.77	273.78	12.89	68.43	49.21	ND		4.85	10.92	0.16	4.57	10462.62	173.58	48.2	8.96	-106.39	16.67	61.98	50.67	ND		187.71	36.48	4.29	3.39	34.23	2.4	10.63	35.13	-1.13	1.46	62.27	31.71	214.05	5.25	597.26	265.82	207.98	4.98
10-Apr-12	126	55.11																																																				
10-Apr-12	126	23.33	twellman_5434		2586						416	16	<LOD	33	<LOD	80	301	15	267	75	<LOD	617	<LOD	71	<LOD	18	50009	630	40	11	<LOD	64	668	130	<LOD	0	607	70	12	4	48	3	<LOD	127	<LOD	6	<LOD	120	74	4	6844	706	237	6
10-Apr-12	126	55.52																																																				
10-Apr-12	127	19.54	jackson_5420		2710						5812.08	90.8	599.5	49.83	<LOD	90.33	7284.99	118.77	<LOD	297.89	1563.09	516.55	107.68	25.53	<LOD	48.91	39480.55	597.46	3106.88	73.38	105.77	21.57	<LOD	375.57	<LOD	0	9785.95	251	19.3	4.72	137.22	6.05	<LOD	148.32	<LOD	15.73	<LOD	143.18	353.89	9.17	2026.89	473.86	120.38	5.73
10-Apr-12	127	23.35	twellman_5434		2586						440	16	<LOD	34	<LOD	80	325	16	326	78	<LOD	623	<LOD	67	<LOD	16	50270	636	51	12	<LOD	64	778	132	<LOD	0	713	73	<LOD	12	46	3	<LOD	129	<LOD	7	<LOD	119	86	4	6590	706	239	6
10-Apr-12	127	20.17	jackson 5444		NIST 2586						395.86	15.44	23.02	9.62	27.1	26.86	322.89	16.68	287.95	91.04	ND		48.91	23.02	-3.46	5.44	48251.86	635.49	36.42	11	33.34	20.96	433.48	127.16	ND		724.21	77.08	-0.11	4.11	50.6	3.3	-16.6	44.17	1.63	2.12	141.83	40.25	72.59	3.82	5902.9	568.61	258.57	6.38
10-Apr-12	128	19.39	jackson_5420		2711						1163.37	27.54	98.9	19.92	<LOD	81.42	316.34	16.56	<LOD	211.35	<LOD	1149.7	<LOD	53.1	<LOD	22.51	24993.94	374.83	112.63	13.75	89.95	19.03	<LOD	286.49	<LOD	0	471.55	60.54	<LOD	12.59	107.27	4.61	<LOD	134.54	<LOD	9.34	<LOD	127.19	252.79	6.77	1831.61	369.41	256.29	6.53
10-Apr-12	128	24.22	twellman_5434		4315						281	11	<LOD	23	<LOD	68	836	22	<LOD	113	<LOD	303	<LOD	27	<LOD	16	2805	79	96	11	<LOD	53	<LOD	80	<LOD	0	462	41	9	3	8	2	<LOD	110	<LOD	5	<LOD	101	278	6	<LOD	799	56	3
10-Apr-12	128	20.21	jackson 5444		NIST 2586						415.1	15.82	22.29	9.81	71.42	26.57	315.17	16.52	236.2	89.92	ND		35.85	21.75	9.28	6.43	48268.87	635.6	65.37	12.23	25.43	20.93	201.19	125.07	ND		695.1	76.29	-3.21	4.07	50.94	3.31	19	43.64	3.16	2.23	43.77	39.86	70.43	3.78	5171.08	563.99	256.15	6.34
10-Apr-12	129	18.89	jackson_5420		4315						284.66	11.78	<LOD	26.65	<LOD	73.26	894.54	25.31	<LOD	164.15	<LOD	692.6	<LOD	31.48	<LOD	16.54	2902.98	90.18	135.79	13.18	53.26	16.92	<LOD	91.68	<LOD	0	549.47	48.82	<LOD	10.43	11.04	1.94	<LOD	121.7	<LOD	4.82	<LOD	114.63	292.02	6.59	<LOD	617.27	41.26	3.53
10-Apr-12	129	22.87	twellman_5434		4315						298	11	<LOD	24	<LOD	70	855	23	<LOD	103	<LOD	286	<LOD	27	<LOD	15	2845	82	103	11	<LOD	54	<LOD	87	<LOD	0	432	41	<LOD	9	13	2	<LOD	113	<LOD	5	<LOD	103	255	6	<LOD	801	68	3
10-Apr-12	129	4.33	jackson 5444		NA						537.41	35.99	6.99	21.62	30.4	51.35	919.35	56.91	-0.56	114.28	ND		6.6	30.08	-2.78	11.7	15619.11	539.4	29.49	20.22	-73.32	40.2	179.36	148.63	ND		299.48	101.05	0.06	8.04	46.93	6.42	74.29	81.08	-7.21	2.95	-17	75.48	128.07	9.72	1965.08	736.81	216.43	11.87
10-Apr-12	130	19.41	jackson_5420		5861						54.5	6.59	56.18	6.38	103.05	27.34	97.58	14.62	1350.53	112.8	<LOD	828.36	984.71	42.67	<LOD	17.39	16608.74	272.83	2830.65	61.19	119.2	18.66	<LOD	222.41	<LOD	0	<LOD	143.52	11.7	3.9	25.43	2.51	<LOD	133.38	7.61	2.16	<LOD	127.16	119.87	4.53	1010.44	278.73	68.36	3.88
10-Apr-12	130	22.89	twellman_5434		4315						276	11	<LOD	24	<LOD	70	859	23	<LOD	112	<LOD	304	<LOD	27	<LOD	14	2835	82	98	11	<LOD	54	<LOD	88	<LOD	0	535	44	<LOD	9	10	2	<LOD	112	<LOD	5	<LOD	103	269	6	<LOD	799	60	3
10-Apr-12	130	55.54																																																				
10-Apr-12	131	19.66	jackson_5420		2586						460.54	17.01	<LOD	37.33	<LOD	81.71	339.53	17.46	612.72	105.14	<LOD	1381.54	101.88	24.86	<LOD	19.76	50730.9	670.18	65.83	12.54	<LOD	57.77	<LOD	409.29	<LOD	0	606.15	76.57	<LOD	13.09	51.7	3.44	<LOD	133.16	<LOD	6.43	<LOD	129.01	81.56	4.08	3932.54	473.9	261.12	6.55
10-Apr-12	131	22.63	twellman_5434		2710						5871	88	664	46	<LOD	89	7176	112	<LOD	222	<LOD	673	<LOD	66	104	17	39068	569	2888	67	76	24	<LOD	366	<LOD	0	10062	245	24	4	129	5	<LOD	144	<LOD	16	<LOD	132	348	9	2557	674	109	5
10-Apr-12	131	20.16	jackson 5444	127	NA	3	4	30			362.05	13.57	17.39	8.45	-12.19	24.22	589.16	20.71	174.55	62.94	ND		-14.89	12.84	8.73	5.95	15055.48	242.46	51.95	10.29	-44.46	18.71	181.97	67.47	ND		419.46	51.42	0.32	3.86	52.71	3.08	86.06	39.96	-1.07	1.73	81.03	35.9	126.3	4.45	2542.42	374.97	346.47	6.9
10-Apr-12	132	20.25	jackson_5420		Blank						<LOD	9.38	<LOD	6.03	<LOD	63.55	<LOD	9.74	<LOD	99.21	<LOD	453.88	<LOD	18.33	<LOD	10.1	<LOD	53.29	<LOD	15.59	<LOD	43.55	<LOD	29.81	<LOD	0	<LOD	38.92	<LOD	8.91	<LOD	3.74	<LOD	99.4	<LOD	3.66	<LOD	95.56	<LOD	4.35	<LOD	371.89	<LOD	6.33
10-Apr-12	132	23.18	twellman_5434		5861						71	7	53	6	89	26	119	13	848	80	<LOD	398	977	41	<LOD	16	15320	242	2663	54	116	20	288	70	<LOD	0	<LOD	124	<LOD	10	27	2	<LOD	126	<LOD	6	<LOD	117	122	4	<LOD	1138	57	3
10-Apr-12	132	19.49	jackson 5444	127	NA	3	4	30			741.81	19.36	14.15	11.46	-0.52	23.57	1252.27	30.56	-65.27	51.29	ND		3.76	13.78	-0.13	5.87	18519.92	274.21	107.07	12.47	-57.54	18.3	81.36	71.29	ND		387.52	50.01	0.7	3.7	50.64	3.01	48.01	38.04	-2.64	1.87	78.35	34.68	167.91	5	3007.81	383.54	269.59	5.98
10-Apr-12	133	22.87	twellman_5434		blank						<LOD	9	<LOD	6	<LOD	64	<LOD	9	<LOD	73	<LOD	212	<LOD	20	<LOD	13	<LOD	48	<LOD	16	<LOD	49	<LOD	27	<LOD	0	<LOD	53	<LOD	8	<LOD	3	<LOD	99	<LOD	4	<LOD	91	<LOD	4	<LOD	594	<LOD	6
10-Apr-12	133	19.73	jackson 5444	127	NA	3	4	30			450.01	14.6	1.25	8.77	43.13	23.19	960.75	25.9	-20.11	51.22	ND		-16.35	11.82	5.23	5.72	14536.61	227.96	69.19	10.64	-62.36	17.92	117.3	63.14	ND		315.93	45.35	3.68	3.65	46.91	2.85	-10.5	37.04	-0.86	1.71	21.59	33.85	150.97	4.66	1439.55	335.29	260.63	5.77
10-Apr-12	134	20.01	jackson 5444	127	NA	3	4	30			338.65	13.07	-0.95	7.9	10.53	24.43	392.57	16.8	15.5	53.59	ND		33.79	14.31	0.53	5.21	13140.95	220.12	52.88	10.36	-13.68	18.77	72.89	61.69	ND		239.39	43.39	5.86	3.93	52.87	3.07	-24.05	39.91	-1.67	1.65	107.56	36	125.71	4.43	2263.41	366.76	379.47	7.23
10-Apr-12	135	20.33	jackson 5444	127	NA	3	4	2			168.14	8.85	-1.17	5.39	19.78	22.21	242.04	12.5	83.3	48.38	ND		5.61	10.85	-0.41	4.48	8759.87	159.98	22.51	7.97	-105.57	17.16	60.26	48.14	ND		168.05	35.47	1.35	3.52	41	2.6	32.35	35.47	-0.24	1.44	26.48	32.22	72.83	3.28	2026.34	300.76	247.95	5.42
10-Apr-12	136	19.77	jackson 5444	127	NA	3	4	2			159.36	8.76	10	5.56	9.96	23.23	212.15	11.92	67.97	50.96	ND		-2.15	11.13	-2.78	4.41	10218.06	178.59	24.02	8.23	-67.36	17.61	85.02	52.7	ND		280.95	41.49	4.44	3.64	49.38	2.83	-21.35	38.03	-1.26	1.41	57.27	34.24	81.63	3.49	1457.83	308.01	288.14	5.92
10-Apr-12	137	20.92	wilder 5444	143	NA	1	1	0			492.51	15.71	29.04	9.74	21.99	23.33	400.58	16.89	-50.35	47.53	ND		-5.82	11.61	3.25	5.41	14794.48	237.43	91.61	11.57	-156.75	17.91	-20.87	63.17	ND		247.71	43.17	2.4	3.62	33.91	2.6	8.58	36.53	-1.93	1.68	10.66	33.26	105.41	4.06	656.18	275.28	150.04	4.63
10-Apr-12	138	22.38	wilder 5444	143	NA	1	1	0			454.42	16.57	45.66	10.56	-6.17	25.23	411.05	18.81	56.12	62.74	ND		27.24	15.34	-3.89	5.37	16674.53	284.18	81.13	12.45	-213.39	19.51	27.42	74.26	ND		221.69	48.19	3.25	4	31.57	2.8	37.59	39.41	-2.94	1.74	6.78	35.98	119.78	4.73	675.06	347.12	131.71	4.89
10-Apr-12	139	20.2	wilder 5444	143	NA	1	1	0			657.62	17.6	21.19	10.57	40.85	22.33	481.66	17.78	-60	46.3	ND		2.56	11.42	-3.29	4.92	13384.49	212.75	82.82	10.82	-143.19	17.25	-8.07	58.01	ND		225.7	40.37	3.75	3.46	31.68	2.46	-36.95	35.27	0.7	1.89	15.59	31.85	151.05	4.6	625.69	290.58	134.53	4.32
10-Apr-12	140	20.74	wilder 5444	143	NA	1	1	0			426.35	13.47	24.74	8.4	19.49	20.6	434.7	16.25	12.1	43.77	ND		24.51	11.33	-1.45	4.55	9448.26	163.43	102.06	10.97	-270.54	15.9	35.65	47.97	ND		151.51	33.84	12.3	3.36	20.41	2.03	48.26	31.5	0.44	1.61	11.87	28.35	80.97	3.33	-129.51	214.27	87.16	3.54
10-Apr-12	141	20.44	wilder 5444	143	NA	1	1	0			210.13	10.35	17.15	6.62	74.68	24.26	230.45	12.89	15.24	53.32	ND		40.88	14.06	-8	4.21	15454.79	244.3	29.12	9.01	-70.87	18.35	-54.26	64.01	ND		318.05	46.53	3.33	3.71	56.95	3.12	-4.19	38.74	0.95	1.67	123.18	35.36	86.44	3.72	1711.02	338.94	228.69	5.51
10-Apr-12	142	20.34	wilder 5444	143	NA	1	1	2			146.41	8.27	6.58	5.2	23.8	22.08	195.6	11.26	-55.81	40.46	ND		-1.61	10.33	-5.44	3.99	9008.21	162.2	26.91	8.05	-161.42	16.82	60.78	48.48	ND		180.87	35.37	-6.99	3.36	42.53	2.62	48.93	35.28	-2.41	1.22	85.56	32.33	64.66	3.11	571.63	251.43	195.67	4.83
10-Apr-12	143	22.34	wilder 5444	143	NA	1	1	2			171.43	10.04	9.56	6.34	-17.44	24.94	212.06	13.19	-0.06	51.83	ND		-2.75	12.09	-2.75	4.82	11726.68	217.27	6.33	8.06	-160.95	19.13	31.79	61.13	ND		163.99	40.94	2.34	3.92	38.84	2.87	6.45	39.42	-2.3	1.43	28.02	35.05	71.01	3.66	1021.92	311.75	183.15	5.33

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
10-Apr-12	144	20.73	wilder 5444	143	NA	1	1	2			271.7	11.53	2.85	7.06	35.04	23.49	274.83	13.85	-67.11	45.26	ND		1.46	11.21	-7.18	4.24	11415.33	197.46	44.01	9.38	-130.65	17.83	-5.86	55.37	ND		221.44	40.23	1.83	3.6	38.47	2.66	-37.36	37.28	-1.37	1.5	79.16	34.27	78.1	3.52	643.18	293.56	178.02	4.87
10-Apr-12	145	20.44	wilder 5444	143	NA	3	3	30			390.77	13.75	-2.37	8.25	7.8	23.53	303.43	14.47	122.07	52.94	ND		23.42	11.79	5.33	5.32	8485.92	162.8	25.27	8.52	-106.97	17.85	-5.89	47.98	ND		121.82	35	-0.45	3.55	33.59	2.54	-10.32	37.83	1.09	1.76	108.88	34.75	87.59	3.68	902.9	275.75	167.36	4.74
10-Apr-12	146	19.37	wilder 5444	143	NA	3	3	30			218.07	9.82	14.66	6.25	46.9	22.55	269.8	12.99	3.15	45.29	ND		31.15	12	-0.58	4.53	9448.57	165.44	16.35	7.69	-134.7	16.81	19.8	48.49	ND		184.98	36.05	0	3.46	40.52	2.56	-20.5	35.89	-2.58	1.31	127.78	33.09	80.65	3.38	1860.35	311.71	253.44	5.41
10-Apr-12	147	19.3	wilder 5444	143	NA	3	3	30			238.83	10.49	4.61	6.47	19.63	23.19	255.79	12.98	116.59	56.61	ND		83.79	15.4	-5.34	4.28	14190.59	220.56	42.84	9.36	-41.12	17.68	15.73	59.83	ND		437.69	48.61	-5.92	3.47	42.45	2.67	4.45	37.73	-1.76	1.43	45.75	34.19	95.24	3.7	1247.85	321.19	245.22	5.45
10-Apr-12	148	20.04	wilder 5444	143	NA	3	3	2			196.28	9.63	-0.7	5.88	17.16	22.94	208.88	11.86	65.62	50.21	ND		20.5	11.54	0.09	4.6	10684.78	184.28	34.2	8.7	-145.11	17.26	-60.96	51.42	ND		274.13	41.23	-5.47	3.47	41.79	2.66	-38.25	36.85	-2.17	1.34	11.12	33.42	87.69	3.6	1444.71	298.55	217.73	5.19
10-Apr-12	149	20.6	wilder 5444	143	NA	3	3	2			143.24	8.57	5.84	5.37	22.45	23.53	218.29	12.38	58.76	51.43	ND		26.03	12.62	9.27	5.38	11096.45	193.09	22.41	8.41	-102.72	17.88	13.65	54.81	ND		235.03	40.87	-9.24	3.54	42.22	2.73	-55.82	38.05	-1.94	1.35	39.18	34.5	92.54	3.77	1704.92	317.59	239.05	5.55
10-Apr-12	150	19.66	wilder 5444	143	NA	3	3	2			164.24	8.41	6.79	5.27	50.2	21.61	170.16	10.2	2.92	41.18	ND		19.1	10.11	-5.06	3.88	6430.36	127.52	16.72	7.27	-161.34	16.21	-17.06	38.85	ND		122.28	30.66	8.19	3.36	38.56	2.44	-49.36	34.41	-1.01	1.3	60.49	31.19	69.21	3.08	259.99	230.11	173.23	4.43
10-Apr-12	151	20.98	wilder 5444	154	NA	3	1	30			334.94	12.59	17.01	7.87	-17.2	22.78	368.6	15.74	32.72	46.8	ND		17.49	10.95	0.26	4.86	7912.74	154.46	23.68	8.26	-193.95	17.22	-37.98	45.33	ND		153.43	35.2	-3.48	3.46	32.37	2.46	-71.48	36.14	0.07	1.62	43.09	32.45	59.06	3.11	777.96	269.46	154.31	4.51
10-Apr-12	152	23.49	wilder 5444	154	NA	3	1	30			224.24	12.02	8.39	7.5	-1.77	25.82	295.36	16.35	41.13	52.59	ND		-6.82	10.38	-2.48	5.2	5477.83	144.1	22.23	9.44	-220.79	19.94	-12.3	44.73	ND		175.36	40.32	0.2	4.1	25.16	2.63	-17.51	40.66	-1.22	1.64	-33.75	36.65	55.81	3.54	588.5	293.16	148.28	5.17
10-Apr-12	153	20.67	wilder 5444	154	NA	3	1	30			321.38	12.28	6.58	7.54	55.38	23.25	277.82	13.65	-79.95	39.9	ND		5.34	10.26	-3.88	4.47	7426.01	147.96	26.62	8.3	-123.1	17.5	-1.15	44.46	ND		228.62	37.65	0.73	3.45	34.57	2.51	-20.55	36.47	0.29	1.61	72.2	33.42	76.54	3.42	658.2	274.28	122.43	4.14
10-Apr-12	154	22.44	wilder 5444	154	NA	3	2	30			173.31	10.29	15.84	6.62	61.5	25.59	448.6	19.32	14.39	53.62	ND		-0.44	11.48	-11.44	4.27	9789.74	196.86	10.9	8.55	-156.16	19.53	-49.99	55.66	ND		253.38	45.03	-4.63	3.88	31.55	2.71	37.85	41.07	0.65	1.71	19.14	37	55.04	3.38	1127.14	336.78	154.73	5.04
10-Apr-12	155	19.99	wilder 5444	154	NA	3	2	30			172.47	8.96	13.84	5.74	70.38	22.85	267.42	13.12	2.89	46.25	ND		8.97	10.96	-7.17	4.01	8956.17	162.52	16.38	7.7	-121.7	17.15	37.29	48.3	ND		172.56	35.91	-1.99	3.47	42.77	2.64	-5.98	36.63	-1.9	1.33	61.76	33.12	63.4	3.11	871.94	289.53	226.92	5.2
10-Apr-12	156	21.02	wilder 5444	154	NA	3	2	30			189.93	9.95	1.21	6.1	33.36	23.68	282.79	14.3	78	55.76	ND		10.64	12.22	-6.6	4.3	13089.72	220.4	18.63	8.37	-184.59	17.92	-30.7	59.89	ND		214.83	42.16	1.54	3.71	50.78	3.01	-42.03	38.4	-0.44	1.53	34.79	34.62	74.69	3.53	1108.74	319.5	212.59	5.37
10-Apr-12	157	21.67	wilder 5444	154	NA	3	3	30			195.64	10.33	0.27	6.33	9.48	24.55	334.25	15.94	5.2	47.16	ND		20.62	11.65	-4.25	4.65	7256.56	155.95	14.22	8.3	-139.62	18.66	-43.88	46.11	ND		98.15	34.06	2.16	3.75	22.57	2.33	-80.9	39.57	-4.18	1.21	51.6	36.01	72.42	3.58	1015.04	291.84	140.42	4.65
10-Apr-12	158	20.77	wilder 5444	154	NA	3	3	30			242.05	10.54	9.42	6.58	35.76	22.15	359.73	15.23	-67.26	39.21	ND		7.94	10.38	-7.91	4.01	8072.43	153.23	21.53	7.93	-188.04	16.88	-7.49	45.42	ND		123.27	32.63	0.31	3.44	31.49	2.38	-2.18	35.02	0.56	1.54	29.2	31.7	65.82	3.17	1204.72	278.31	158.35	4.47
10-Apr-12	159	20.99	wilder 5444	154	NA	3	3	30			278.32	11.7	8.76	7.26	17.84	23.35	377.22	16.23	68.58	49.81	ND		3.87	10.8	2.84	5.14	8519.29	164.73	34.33	8.99	-145.61	17.81	-2.78	48.58	ND		131.36	35.35	5.13	3.67	38.78	2.68	-76.83	37.36	-2.94	1.39	43.92	34.06	75.79	3.5	1215.88	284.2	189.15	5.02
10-Apr-12	160	19.17	wilder 5444	134	NA	3	1	30			195.41	9.03	1.98	5.55	21.06	21.58	142.62	9.37	17.04	41.58	ND		-6.62	9.27	-2.65	4.07	7734.83	141.43	23.85	7.53	-115.02	16.28	38.99	43.08	ND		299.8	38.04	-1.82	3.3	32.68	2.28	-11.14	34.09	-0.65	1.36	85.88	31.36	67.28	3.03	1673.31	268.72	231.93	5
10-Apr-12	161	21.34	wilder 5444	134	NA	3	1	30			112.56	7.94	4.82	4.97	-23.76	23.87	131.97	10.08	32.71	49.5	ND		-1.86	10.89	6.72	5.22	8762.33	170.49	-1.69	7.05	-139.99	18.14	33.2	50.67	ND		280.76	42.41	-2.62	3.71	37.22	2.66	-2.92	38.06	0.52	1.54	39.4	34.13	65.52	3.35	1485.13	313.8	244.71	5.73
10-Apr-12	162	19.53	wilder 5444	134	NA	3	1	30			126.22	7.76	0.73	4.77	17.82	22.82	142.38	9.74	23.97	46.26	ND		13.02	11.09	-1.54	4.31	8961.54	161.17	10.88	7.36	-80.74	17.16	24.61	47.71	ND		323.73	41.37	-1.63	3.5	42.25	2.61	-84.03	36.95	-0.94	1.36	28.38	33.36	78.1	3.35	1443.99	293.9	287.96	5.8
10-Apr-12	163	20.15	wilder 5444	134	NA	3	2	30			188.96	9.55	4.48	5.93	8.09	23.41	169.49	10.86	0.36	46	ND		9.47	10.61	-3.14	4.39	7473.05	148.84	8.25	7.42	-101.08	17.65	-21.66	44.43	ND		216.39	37.8	-4.92	3.55	38.56	2.61	15.85	37.77	-2.32	1.34	58.34	34.49	65.91	3.24	1187.61	303.08	249.92	5.58
10-Apr-12	164	18.91	wilder 5444	134	NA	3	2	30			276.27	10.73	-0.9	6.52	7.09	21.62	202.6	11.08	-10.5	43.73	ND		8.63	10.78	-2.16	4.27	9516.85	162.22	20.95	7.63	-95.28	16.56	53.97	48.03	ND		385.43	42.38	0.76	3.4	41.58	2.52	-16.53	34.81	-0.33	1.48	49.07	31.36	74.92	3.2	1823.47	304.97	279.7	5.54
10-Apr-12	165	19.81	wilder 5444	134	NA	3	2	30			277.21	10.75	-1.8	6.51	43.16	21.53	212.57	11.34	-32.69	39.45	ND		8.59	10.45	1.27	4.49	7795.65	143.43	29.74	7.96	-145.71	16.32	82.39	44.4	ND		189.2	34.06	-1.61	3.31	41.15	2.51	-12.76	33.88	-2.09	1.33	4.82	30.85	65.26	3.03	1236.25	262.08	209.56	4.82
10-Apr-12	166	20.28	wilder 5444	134	NA	3	3	30			71.67	6.58	7.47	4.22	36.97	24.34	135.84	10.15	103.1	55.77	ND		5.75	12.38	4.57	5.05	11815.58	203.96	19.73	8.37	-41.61	18.45	92.9	58.52	ND		407.73	48.49	-7.9	3.68	49.97	2.95	12.65	39.74	-2.98	1.24	55.66	35.43	75.77	3.52	1742.69	330.91	304.77	6.33
10-Apr-12	167	21.26	wilder 5444	134	NA	3	3	30			86.68	7.15	-2.45	4.29	0.04	23.75	111.64	9.36	-76.73	45.12	ND		2.9	11.56	-0.87	4.57	10778.94	193.92	6.29	7.53	-116.16	18.23	33.06	55.51	ND		377.16	46.58	2.34	3.71	50.17	2.98	-26.97	37.9	0.93	1.53	75.38	34.41	74.95	3.52	1578.87	337	206.74	5.29
10-Apr-12	168	19.92	wilder 5444	134	NA	3	3	30			92.39	6.77	2.32	4.19	17.52	21.97	154.9	10	1.32	43.88	ND		-1.74	10.31	-2.76	4.1	8623.16	156.2	9.66	7.07	-124.49	16.79	92.13	47.57	ND		370.88	42.29	-0.32	3.4	37.7	2.47	-62.15	35.59	0.33	1.38	13.28	31.75	67.47	3.13	1251.54	281.96	212.05	4.95
10-Apr-12	169	20.64	wilder 5444	148	NA	3	1	30			172.69	8.93	5.03	5.56	30.78	22.07	222.43	11.98	15.54	44.7	ND		12.89	10.34	-10.19	3.59	8432.52	156.27	21.82	7.85	-185.48	16.75	-65.78	44.94	ND		276.73	39.33	-4.82	3.4	38.51	2.53	-49.75	34.56	-2.53	1.23	36.91	31.51	68.47	3.19	1171.76	277.08	196.33	4.86
10-Apr-12	170	19.8	wilder 5444	148	NA	3	1	30			221.02	9.8	16.57	6.25	-11.46	21.72	250.75	12.41	-5.51	45.33	ND		21.84	11.59	1.5	4.58	10931.92	179.92	15.53	7.48	-165.56	16.49	18.5	51.27	ND		371.67	43.02	-3.83	3.34	44.03	2.61	34.6	35.17	-0.91	1.41	-15.23	31.57	78.21	3.3	1428.44	298.07	209.1	4.89
10-Apr-12	171	21.56	wilder 5444	148	NA	3	1	30			247.3	11.39	3.86	7.01	-1.56	23.95	211.33	12.63	43.31	51.91	ND		5.92	11.41	-10.64	3.97	8587.06	170.89	10.27	7.93	-159.45	18.32	28.73	50.79	ND		401.77	47.86	-2.53	3.7	35.26	2.66	30.42	38.25	-2.65	1.41	116.83	34.97	71.76	3.52	696.38	301.12	185.51	5.13
10-Apr-12	172	19.18	wilder 5444	148	NA	3	2	30			654.19	17.16	13.3	10.24	8.69	22.57	384.84	15.52	109.58	49.89	ND		12.65	11.05	-0.9	4.93	9848.33	170.47	25.34	8.2	-123.03	16.93	-18.16	49.01	ND		338.59	42.37	-2.52	3.43	37.92	2.54	19.07	36.48	-1.55	1.74	129.69	33.12	75.03	3.3	1787.9	280.69	239.91	5.28
10-Apr-12	173	19.59	wilder 5444	148	NA	3	2	30			389.94	12.75	3.04	7.72	19.29	21.48	281.21	12.93	-5.17	39.02	ND		1.3	9.69	-2.05	4.38	6476.74	128.48	14.83	7.22	-150.96	16.28	69.19	40.81	ND		277.68	36.9	-3.08	3.28	27.49	2.19	-0.8	34.03	1.04	1.62	80.88	30.83	60.67	2.95	1261.05	242.01	191.82	4.63
10-Apr-12	174	20.12	wilder 5444	148	NA	3	2	30			367.15	13.25	19.65	8.28	4.85	23.64	277.2	13.81	87.89	56.16	ND		12.95	12.78	3.24	5.17	14286.89	227.31	26.33	8.63	-109.68	17.81	58.11	62.12	ND		387.35	48.02	-2.23	3.59	44.42	2.79	-23.79	37.67	-3.01	1.49	32.23	34.3	78.26	3.51	1161.39	319.44	232.31	5.44
10-Apr-12	175	18.32	wilder 5444	148	NA	3	2	30			776.54	18.04	-4.02	10.48	32.05	21.52	418.12	15.48	-37.92	40.87	ND		1.9	10.13	-0.9	4.79	8769.15	151.68	29	7.95	-123.65	16.18	51.3	45.57	ND		372.26	40.99	-6.89	3.21	43.08	2.56	-33.37	34.03	-0.74	1.77	104.51	31.16	73.43	3.14	2153.9	304.98	219.38	4.85
10-Apr-12	176	18.74	wilder 5444	148	NA	3	2	30			1060.65	21.86	3.53	12.45	23.43	21.51	490.65	17.04	12.55	44.63	ND		4.96	10.13	-2.15	5.03	8167.3	147.3	18.1	7.64	-179.74	16.19	10.1	44.13	ND		299.1	39.21	6.61	3.37	37.15	2.49	7.91	33.84	-1.87	1.92	83.36	31.05	103.55	3.69	526.99	255.89	195.31	4.7
10-Apr-12	177	19.88	wilder 5444		PES 5861						56.95	6.46	32.15	4.82	79.28	26.74	109.05	13.36	961.46	97.23	ND		1048.38	42.37	10.47	5.89	15025.63	249.84	2832.93	60.33	95.73	20.03	-52.59	66.04	ND		223.51	49.42	2.1	3.69	22.3	2.33	75.2	43.63	5.94	1.97	192.78	39.58	115.23	4.38	537.08	311.61	87.41	4.03
10-Apr-12	178	18.99	wilder 5444		nist2710						5292.55	83.05	639.11	38.9	81.79	29.22	7106.16	114.23	88.66	96.39	ND		21.77	21.67	66.49	15.59	36966.67	555.06	2917.79	69.52	-112.18	22.48	-356.08	114.57	ND		9111.56	236.56	12.96	4.48	146.33	6.03	46.03	46.51	-6.25	4.92	74.67	41.9	300.84	8.24	2483.21	519.29	111.95	5.32
10-Apr-12	179	20.24	wilder 5444		NIST 2586						412.85	16.22	20.56	10.05	25.59	28.27	349.93	17.88	382.87	98.64	ND		111.17	24.81	7.22	6.53	50175.52	675.98	57.83	12.55	85.21	21.92	39.92	129.62	ND		680.69	79.07	4.58	4.28	49.74	3.38	51.75	46.4	-0.07	2.09	166.68	42.28	85.61	4.21	5710.75	587.92	255.48	6.54
10-Apr-12	180	20.28	wilder 5444		nist 2711						1219.76	27.92	105.49	16.52	80.31	26.68	321.23	16.4	52.66	68.05	ND		18.86	17.05	8.1	6.95	25465.81	375.41	108.63	13.61	-13.64	20.22	115.81	89.92	ND		466.76	60.19	-7.22	3.92	125.18	4.86	21.16	41.5	-2.74	2.44	146.83	38.16	261.11	6.83	2522.59	421.19	248.81	6.34
10-Apr-12	181	20.4	wilder 5444		PES4315						281.5	11.58	26.74	7.46	23.26	23.78	951.47	25.9	27.34	45.42	ND		17.09	10.03	-3.2	5.06	3075.85	91.15	127.38	12.68	2.8	18.24	-53.21	29.21	ND		650.23	52.07	9.07	3.48	12.39	1.94	-8.64	37.83	-1.05	1.52	71.85	34.14	307.46	6.78	-380.8	219.46	48.93	3.61
10-Apr-12	182	19.81	wilder 5444		BLANK						-0.62	2.92	-0.1	1.63	14.7	22.13	6.34	3.73	42.02	37.35	ND		-8.58	5.97	1.77	4.11	31.72	16.13	-1.06	5.75	11.09	16.83	-21.14	8.76	ND		7.24	19.53	4.55	3.11	0.76	1.25	-2.04	36.01	-0.2	1.13	91.95	32.65	1.31	1.5	-71.49	188.88	2.97	2.24
11-Apr-12	1	55.01																																																					
11-Apr-12	1	43.94																																																					
11-Apr-12	1	1.06																																																					
11-Apr-12	2	20.41	stroh_5420		Blank						<LOD	8.72	<LOD	5.76	<LOD	65.44	<LOD	10.47	<LOD	96.18	<LOD	489.54	<LOD	20.07	<LOD	11.75	<LOD	48.04	<LOD	19.26	<LOD	45.13	<LOD	24.55	<LOD	0	<LOD	52.74	<LOD	9.15	<LOD	3.54	<LOD	104.17	<LOD	3.71	<LOD	101.48	<LOD	4.44	<LOD	432.7	<LOD	6.39
11-Apr-12	2	23.09	wilder 5434		2711						1265	27	71	18	<LOD	78	333	16	<LOD	169	606	173	<LOD	49	29	8	25878	361	64	12	<LOD	61	438	92	<LOD	0	413	54	<LOD	11	109	4	<LOD	123	<LOD	8	<LOD	114	241	6	2392	524	231	6
11-Apr-12	2	53.99																																																					
11-Apr-12	3	19.77	stroh_5420		4315						274	11.39	29.02	8.95	<LOD	69.85	820.95	23.8	<LOD	147.21	<LOD	655	<LOD	25.88	<LOD	17	2988.65	90.37	110.11	12.02	<LOD	48.47	<LOD	97.32	<LOD	0	639.81	50.69	<LOD	10.31	9.3	1.85	<LOD	109.4	<LOD	4.81	<LOD	106.54	288.5	6.45	<LOD	585.88	40.43	3.47
11-Apr-12	3	22.52	wilder 5434		2710						5570	81	557	42	<LOD	83	6906	104	<LOD	203	<LOD	601	<LOD	64	60	14	36928	518	2702	61	<LOD	66	404	117	<LOD	0	9364	224	23	4	114	5	<LOD	130	<LOD	15	<LOD	120	319	8	3022	625	106	5
11-Apr-12	3	19.92	embree 5444		PES 5861						50.12	6.08	41.08	4.82	92.92	25.7	156.77	14.18	1025.6	96.83	ND		945.91	39.74	14.42	6.03	14487.16	238.41	2774.33	58.24	80.2	19.48	138.71	66.29	ND		217.46	48.05	5.62	3.62	21.09	2.24	18.84	41.94	7.85	2.03	55.52	37.3	116.31	4.3	676.85	304.75	67.69	3.69
11-Apr-12	4	20.96	stroh_5420		5861						64.62	6.71	38.33	6.01	94.27	26.19	87.09	15.56	1088.54	102.07	<LOD	835.62	838.44	39.09	<LOD	14.48	13903.17	237.38	3901.52	72.92	66.99	18.03	<LOD	206.43	<LOD	0	186.45	47.38	<LOD	11.11	17.69	2.22	<LOD	130.42	<LOD	4.45	<LOD	122.64	114.26	4.34	<LOD	767.97	64.06	3.74
11-Apr-12	4	23.26	wilder 5434		4315						311	12	<LOD	25	<LOD	69	858	23	<LOD	109	<LOD	301	<LOD	27	<LOD	15	2912	84	99	11	<LOD	54	<LOD	88	<LOD	0	442	42	<LOD	9	12	2	<LOD	108	<LOD	6	<LOD	100	297	6	<LOD	796	42	3
11-Apr-12	4	18.89	embree 5444		nist2710						5039.36	77.57	628.44	36.95	25.22	27.42	6541.73	104.14	-4.19	87.72	ND		35.12	21.48	80.99	15.34	34677.76	511.77	2848.98	66.45	-152.87	21.48	-235.16	108.86	ND		8639.04	222.32	0.24	4.16	120.71	5.37	107.7	43.69	-5.56	4.68	62.94	39.46	307.73	8.08	2085.37	487.07	96.44	4.96
11-Apr-12	5	20.88	stroh_5420		2711						1095.65	25.25	94.53	18.39	<LOD	75.24	305.47	15.47	<LOD	191.82	<LOD	981.37	<LOD	48.52	<LOD	21.99	23718.58	342.81	100.61	12.62	<LOD	52.71	<LOD	259.14	<LOD	0	358.81	53.07	<LOD	11.62	105.47	4.34	<LOD	120.06	<LOD	7.3	<LOD	114.96	229.48	6.12	1288.06	314.72	241.5	6.02
11-Apr-12	5	23.08	wilder 5434		5861						55	6	38	5	98	25	114	13	921	81	<LOD	382	976	40	<LOD	16	14548	230	2516	52	<LOD	59	198	66	<LOD	0	197	45	<LOD	10	19	2	<LOD	123	<LOD	5	<LOD	112	122	4	<LOD	1076	84	4
11-Apr-12	5	20.23	embree 5444		NIST 2586						418.49	15.89	16.54	9.78	17.59	26.99	334.04	17.02	332.2	93.81	ND		32.36	22.04	11.24	6.59	48903.14	643.36	77.92	12.8	37.34	21.03	281.14	126.72	ND		876.89	81.52	1.21	4.12	45.57	3.18	20.17	44.57	1.24	2.11	102.58	40.06	74.85	3.88	6542.85	595.92	255.46	6.35
11-Apr-12	6	20.7	stroh_5420		2586						426.65	16.08	<LOD	35.82	<LOD	81.24	317.42	16.61	313.58	92.47	<LOD	1405.18	130	25.03	<LOD	19.69	50789.12	659.29	60.09	12.17	<LOD	57.17	<LOD	399.99	<LOD	0	716.05	77.44	<LOD	12.68	42.97	3.15	<LOD	133.42	<LOD	6.42	<LOD	128.38	79.44	3.96	4232.61	480.83	254.97	6.36
11-Apr-12	6	23.23	wilder 5434		2586						436	16	<LOD	34	<LOD	83	308	16	280	77	<LOD	645	<LOD	66	<LOD	19	51353	649	40	11	71	22	695	132	<LOD	0	852	77	<LOD	12	48	3	<LOD	132	<LOD	6	<LOD	123	86	4	7593	741	251	6
11-Apr-12	6	20.1	embree 5444		nist 2711						1230.08	27.85	86.54	16.3	82.95	26.14	356.49	17.12	36.41	66.87	ND		-0.32	16.31	14	7.26	25329.74	371.02	125.08	14.08	23.2	20.25	172.78	89.72	ND		417.41	58.1	5.02	4.03	112.54	4.59	51.21	41.43	-3.35	2.39	60.44	37.64	252.44	6.66	2453.76	419.17	257.18	6.38
11-Apr-12	7	18.55	stroh_5420		2710						5260.92	82	582.72	46.49	<LOD	85.13	6638.89	108.07	<LOD	274.32	<LOD	1275.93	<LOD	62.34	50.14	15.49	35235.24	532.66	2921.45	68.87	<LOD	61.09	<LOD	363.81	<LOD	0	9014.96	233.05	<LOD	13.26	128.07	5.69	<LOD	136.36	<LOD	15.07	<LOD	128.8	296.85	8.11	2485.85	425.44	107.53	5.31
11-Apr-12	7	22.96	wilder 5434		blank						<LOD	9	<LOD	6	<LOD	65	<LOD	10	<LOD	79	<LOD	204	<LOD	20	<LOD	11	<LOD	48	<LOD	18	<LOD	50	<LOD	30	<LOD	0	<LOD	48	<LOD	9	<LOD	3	<LOD	102	<LOD	4	<LOD	94	<LOD	5	<LOD	566	<LOD	6
11-Apr-12	7	19.86	embree 5444		BLANK						5.41	3.2	-3.6	1.64	0.86	21.18	5.11	3.54	-15.87	31.63	ND		4.52	6.94	-3.36	3.58	51.82	16.62	2.43	5.84	-6.88	16.36	-10.74	9.52	ND		-18.65	16.43	-0.19	2.99	0.61	1.21	63.36	33.95	1.04	1.19	89.62	31.06	-0.14	1.41	-50.61	173.13	-1.59	2.12
11-Apr-12	8	22.47	stroh_5420	129	NA	1	1	0			322.07	14.25	<LOD	32.92	<LOD	80.9	449.74	20.06	<LOD	214.82	1182.72	361.85	<LOD	48.22	<LOD	19.31	16241.38	283.97	62.31	12.04	<LOD	57.54	<LOD	236.54	<LOD	0	404.46	56.16	<LOD	12.25	20.62	2.57	<LOD	132.25	<LOD	6.49	<LOD	127.23	276.5	7.28	<LOD	975.95	73.13	4.45
11-Apr-12	8	22.71	wilder 5434	129	NA	3	1	30			85	7	<LOD	14	<LOD	67	108	8	<LOD	118	<LOD	369	<LOD	36	<LOD	11	15446	218	<LOD	22	<LOD	52	407	64	<LOD	0	505	46	<LOD	10	52	3	<LOD	107	<LOD	4	<LOD	98	99	3	2024	389	276	5
11-Apr-12	8	19.88	embree 5444		BLANK						2.07	3.02	-1.22	1.64	6.67	21.38	3.65	3.43	32.45	35.55	ND		1.79	6.74	-1.59	3.73	34.46	15.76	-3.05	5.51	1.57	16.42	-10.92	9.34	ND		-4.81	18.03	1.98	3.01	-1.27	1.13	57.35	34.19	1.02	1.19	62.21	30.89	0.59	1.44	-121.52	177.44	-1.33	2.13
11-Apr-12	9	19.88	stroh_5420	129	NA	1	1	0			235.82	11.25	<LOD	25.81	<LOD	73.5	227.25	13.23	<LOD	172.93	<LOD	987.1	<LOD	41.61	<LOD	14.9	16207.29	259.79	32.86	9.53	<LOD	51.28	<LOD	219.53	<LOD	0	369.71	49.77	<LOD	11.74	39.19	2.83	<LOD	118.33	<LOD	4.81	<LOD	113.49	194.89	5.55	1247.07	311.78	223.88	5.72
11-Apr-12	9	23.45	wilder 5434	129	NA	3	1	30			60	6	<LOD	13	<LOD	72	63	7	<LOD	132	<LOD	392	<LOD	38	<LOD	11	12086	200	<LOD	24	<LOD	56	305	61	<LOD	0	512	49	17	4	45	3	<LOD	116	<LOD	4	<LOD	106	113	4	3395	451	282	6
11-Apr-12	9	20.41	embree 5444		PES4315						290.56	11.6	12.95	7.25	13.68	23.25	898.85	24.73	117.84	48.58	ND		-13.27	7.85	-4.36	4.84	2711.75	83.87	117.37	12.04	-6.07	17.91	-16.1	28.26	ND		501.84	46.49	1.65	3.34	11.72	1.88	57.3	36.81	0.86	1.62	16.8	33.46	290.95	6.48	105.77	220.6	44.13	3.47
11-Apr-12	10	20.91	stroh_5420	129	NA	1	1	0			325.93	12.84	<LOD	28.99	<LOD	72.46	344.59	15.77	<LOD	162.56	<LOD	894.19	<LOD	42.47	<LOD	15.44	16716.45	259.09	56.96	10.43	<LOD	50.64	<LOD	218.48	<LOD	0	340.2	47.52	<LOD	11.31	43.44	2.88	<LOD	115.5	<LOD	5.66	<LOD	110.87	180.52	5.22	1747.43	304.15	239.24	5.74
11-Apr-12	10	22.4	wilder 5434	129	NA	3	1	30			431	13	<LOD	28	<LOD	66	114	8	<LOD	125	<LOD	407	<LOD	34	<LOD	15	14837	210	<LOD	20	<LOD	51	201	60	<LOD	0	586	48	12	3	55	3	<LOD	105	<LOD	5	<LOD	97	80	3	3215	439	290	5
11-Apr-12	10	17.08	stroh 5444	129	NA	3	2	30			906.21	20.98	0.37	12.1	72	23.33	1285.6	30.02	-28.39	51.65	ND		3.45	12.58	13.47	6.57	13822.31	216.88	20.48	8.61	-67.7	17.66	109.03	60.81	ND		419.66	48.3	-3.57	3.51	48.19	2.87	66.67	37.67	-0.05	2.06	103.55	33.95	104.42	3.89	2467.05	383.78	254.62	5.57
11-Apr-12	11	21.25	stroh_5420	129	NA				mid of yard		91.88	7.42	<LOD	16.86	<LOD	73.03	93.02	8.84	<LOD	192.55	1044.95	340.32	<LOD	41.02	<LOD	13.99	16851.9	263.29	<LOD	23.67	<LOD	51.03	<LOD	216.68	<LOD	0	519.88	54.78	<LOD	11.81	58.82	3.23	<LOD	119.14	<LOD	4.06	<LOD	114.78	92.47	3.87	1711.65	329.21	319.58	6.59
11-Apr-12	11	23.48	wilder 5434	129	NA	3	1	30			67	7	<LOD	15	<LOD	74	99	9	<LOD	151	<LOD	424	<LOD	43	<LOD	15	21287	307	<LOD	25	<LOD	59	362	81	<LOD	0	589	56	<LOD	11	60	3	<LOD	120	<LOD	5	<LOD	111	112	4	3590	489	246	6
11-Apr-12	11	18.57	stroh 5444	129	NA	3	2	30			971.4	21.76	-15.65	12.33	55.39	23.3	899.01	24.54	6.37	53.59	ND		21.22	13	8.48	6.13	15278.63	231.43	51.55	9.89	-51.56	17.69	-13.82	61.66	ND		464.1	50	-0.48	3.53	57.97	3.07	-25.62	37.97	0.69	2.12	64.95	34.33	117.8	4.09	2152.68	368.52	249.15	5.51
11-Apr-12	12	20.36	stroh_5420	129	NA	1	1	2	mid of yard		187.39	10.16	<LOD	22.98	<LOD	72.56	202.16	12.55	<LOD	164.2	<LOD	794.86	<LOD	38.11	<LOD	15.58	11387.49	206.32	<LOD	25.76	<LOD	50.54	<LOD	186.34	<LOD	0	505.55	52.38	<LOD	11.79	29.14	2.54	<LOD	116.67	<LOD	5.54	<LOD	111.64	95.68	3.98	940.58	264.11	198.29	5.33
11-Apr-12	12	23.67	wilder 5434	129	NA	3	4	30			403	14	<LOD	29	<LOD	71	407	16	<LOD	111	<LOD	354	<LOD	32	<LOD	16	7579	150	<LOD	25	<LOD	55	<LOD	144	<LOD	0	453	46	11	3	23	2	<LOD	112	<LOD	5	<LOD	104	63	3	1755	379	151	4
11-Apr-12	12	20.16	stroh 5444	129	NA	3	2	2			198.93	9.38	18.82	6.07	-5.03	21.75	281.12	13.23	45.47	47.75	ND		16.25	11.39	-0.42	4.48	10707.82	179.38	17.45	7.62	-133.99	16.8	29.65	51.44	ND		346.81	42.57	0.29	3.38	42.13	2.59	20.07	34.8	-6.03	0.95	7.35	31.72	75.72	3.29	1004.6	275.18	179.84	4.62
11-Apr-12	13	19.2	stroh_5420	129	NA	1	1	2	mid of yard		155.05	8.6	<LOD	19.37	<LOD	67.28	130.95	9.54	<LOD	142.84	<LOD	733.24	<LOD	33.64	<LOD	13.17	9518.26	169.94	<LOD	21.87	<LOD	46.65	<LOD	158.15	<LOD	0	370.64	43.09	<LOD	10.74	37.61	2.55	<LOD	106.88	<LOD	4.27	<LOD	102.72	99.96	3.74	867.6	240.92	217.96	5.13
11-Apr-12	13	24.97	wilder 5434	129	NA	3	4	30			408	13	<LOD	28	<LOD	66	423	16	<LOD	104	<LOD	326	<LOD	31	<LOD	14	7914	145	<LOD	23	<LOD	52	<LOD	136	<LOD	0	435	42	<LOD	10	25	2	<LOD	103	<LOD	5	<LOD	96	65	3	2017	359	152	4
11-Apr-12	13	16.56	stroh 5444	129	NA	3	2	2			179.45	7.52	11.34	4.78	33.73	18.06	305.86	11.57	-39.19	31.99	ND		10.97	8.7	-2.41	3.55	6318.13	108.8	16.6	6.12	-192.98	13.74	93.85	35.05	ND		217.17	29.45	-0.13	2.76	29.64	1.91	23.33	28.12	-2.05	1.04	66.71	25.41	55.71	2.43	517.47	195.03	120.13	3.29
11-Apr-12	14	20.58	stroh_5420	129	NA	1	1	2	mid of yard		214.43	10.04	<LOD	23.38	<LOD	68.36	246.66	12.86	<LOD	149.95	<LOD	789.69	<LOD	34.09	<LOD	14.55	10800.08	185.7	40.91	9.21	<LOD	47.94	<LOD	171.2	<LOD	0	431.29	46.27	<LOD	11.27	43.09	2.71	<LOD	110.16	<LOD	4.21	<LOD	106.24	98.03	3.75	800.17	251.35	257.22	5.6
11-Apr-12	14	25.16	wilder 5434	129	NA	3	4	30			542	16	<LOD	34	<LOD	71	473	18	<LOD	125	<LOD	369	<LOD	35	<LOD	16	8234	158	<LOD	25	<LOD	56	154	50	<LOD	0	513	48	<LOD	10	27	2	<LOD	114	<LOD	6	<LOD	105	78	3	1994	396	158	4
11-Apr-12	14	19.36	stroh 5444	129	NA	3	4	30			187.31	8.98	2.53	5.54	-7.75	21.79	119.99	8.81	43.61	42.74	ND		3.41	9.74	1	4.4	5398.39	115.78	7.02	6.86	-112.79	16.52	61.84	37.9	ND		196.11	33.75	-4.54	3.41	44.97	2.6	22.04	35.28	-0.35	1.41	65.84	31.9	53.99	2.83	1599.53	271.96	317.05	5.92
11-Apr-12	15	19.39	wilder_5420	135	NA	1	1	0			1075.29	26.4	<LOD	55.55	<LOD	80.1	646.58	23.85	<LOD	232.23	1294.92	396.06	68.29	20.51	<LOD	21.02	36418.07	502.3	298.51	19.96	<LOD	56.42	<LOD	335.85	<LOD	0	526.12	66.78	<LOD	12.07	29.74	2.87	<LOD	131.38	<LOD	7.91	<LOD	126.8	209.5	6.16	<LOD	1058.4	181.91	5.62
11-Apr-12	15	23.3	wilder 5434	129	NA	3	4	2			138	8	<LOD	17	<LOD	67	132	9	<LOD	98	<LOD	315	<LOD	27	<LOD	13	7007	135	<LOD	19	<LOD	52	137	44	<LOD	0	491	44	<LOD	10	33	2	<LOD	105	<LOD	4	<LOD	97	61	3	1791	345	197	4
11-Apr-12	15	18.59	stroh 5444	129	NA	3	4	30			407.51	12.94	19.16	8.02	44.03	21.56	375.74	14.8	-6.92	44.46	ND		25.32	11.11	1.8	4.76	9036.59	156.93	21.78	7.73	-87.87	16.49	-21.83	45.47	ND		1455.52	69.48	8.91	3.42	46.65	2.63	-21.16	34.72	2.1	1.72	54.1	31.83	61.74	2.95	1655.56	300.08	240.85	5.1
11-Apr-12	16	22.33	wilder_5420	135	NA	1	1	0			560.36	18.92	61.39	14.54	<LOD	79.3	541.41	22.15	<LOD	228.11	<LOD	1043.04	<LOD	58.13	<LOD	19.13	30765.25	453.65	89.54	13.38	<LOD	56.38	<LOD	322.55	<LOD	0	634.41	69.44	<LOD	12.65	33.53	2.99	<LOD	128.32	<LOD	6.53	<LOD	121.94	175.03	5.77	1341.24	341.3	157.63	5.42
11-Apr-12	16	22.64	wilder 5434	129	NA	3	4	2			157	8	<LOD	17	<LOD	64	123	8	<LOD	102	<LOD	303	<LOD	29	<LOD	12	7313	130	<LOD	21	<LOD	49	163	42	<LOD	0	528	43	<LOD	9	33	2	<LOD	101	<LOD	4	<LOD	93	63	3	2569	351	213	4
11-Apr-12	16	12.15	stroh 5444	129	NA	3	4	30			369.43	16.72	13.5	10.33	-5.12	29.26	180.78	14.21	91.67	65.1	ND		0.39	13.56	-3.3	5.75	9247.94	215.14	22.28	10.32	-136.86	22.11	19.93	63.15	ND		395.17	57.76	-5.07	4.48	32.94	3.14	13.11	47.96	0.68	2.17	23.01	43.5	44.11	3.55	1484.15	380.01	242.62	6.93
11-Apr-12	17	20.37	wilder_5420	135	NA	1	1	0			550.76	17.72	<LOD	39.87	<LOD	75.33	612.48	22.32	<LOD	169.59	<LOD	921.39	<LOD	46.55	<LOD	18.35	21860.72	332.02	84.7	12.35	<LOD	53.06	<LOD	254.27	<LOD	0	607.07	61.16	<LOD	11.78	29.05	2.68	<LOD	122.56	<LOD	5.85	<LOD	116.06	153.61	5.11	906.95	295.12	128.24	4.72
11-Apr-12	17	23.59	wilder 5434	129	NA	3	4	2			133	8	<LOD	18	<LOD	72	126	9	<LOD	107	<LOD	350	<LOD	30	<LOD	13	7234	144	<LOD	20	<LOD	55	219	48	<LOD	0	511	47	<LOD	10	34	2	<LOD	114	<LOD	4	<LOD	103	62	3	1939	380	196	5
11-Apr-12	17	17.46	stroh 5444	129	NA	3	4	2			126.41	6.74	1.36	4.16	32.17	19.46	90.54	6.97	19.13	35.37	ND		-7.69	7.5	-3.12	3.54	3101.11	76.36	-0.31	5.49	-112.89	14.74	88.53	27.76	ND		154.82	27.3	2.2	2.99	31.67	2.04	-22.49	30.94	-1.95	1.06	21.17	27.88	52.59	2.5	311.33	195.43	197.85	4.21
11-Apr-12	18	18.77	wilder_5420	135	NA	1	1	2			321.57	12.34	<LOD	28.03	<LOD	69.32	393.66	16.3	<LOD	166.66	<LOD	881.06	<LOD	42.43	<LOD	14.44	16822.96	252.09	49.31	9.78	<LOD	48.48	<LOD	214.61	<LOD	0	529.83	52.43	<LOD	10.71	40.46	2.71	<LOD	112.41	<LOD	4.78	<LOD	108.32	163.71	4.81	1051.86	279.75	191.93	5.03
11-Apr-12	18	23.49	wilder 5434	135	NA	3	2	6	30 - 4 are covere wwith clutter		246	11	<LOD	23	<LOD	72	323	15	<LOD	133	<LOD	364	<LOD	37	<LOD	15	12147	202	<LOD	24	<LOD	56	<LOD	179	<LOD	0	483	49	<LOD	11	39	3	<LOD	116	<LOD	5	<LOD	106	80	3	2980	425	219	5
11-Apr-12	18	20.98	stroh 5444	135	NA	3	1	30			78.59	7.24	6.43	4.58	-2.62	25.43	127.74	10.42	4.34	58.35	ND		-5.89	13.38	-2.37	4.77	17552.26	281.48	12.51	8.51	-25.72	19.62	49.81	73.2	ND		630.6	60.61	2.17	3.94	68.07	3.54	22.26	41.78	-1.86	1.42	92.35	37.74	124.25	4.6	2434.47	401.68	256.05	6.16
11-Apr-12	19	18.81	wilder_5420	135	NA	1	1	2			365.14	12.83	<LOD	28.71	<LOD	67.05	311.51	14.21	<LOD	155.69	<LOD	773.23	<LOD	39.81	<LOD	14.29	16864.94	246.57	52.26	9.66	<LOD	46.33	<LOD	203.24	<LOD	0	544.66	51.37	<LOD	10.65	33.43	2.47	<LOD	105.88	<LOD	5.15	<LOD	101.7	148.64	4.48	929.96	252.59	164.49	4.6
11-Apr-12	19	22.9	wilder 5434	135	NA	3	2	6	30 - 4 are covere wwith clutter		230	10	<LOD	21	<LOD	68	275	13	<LOD	117	<LOD	388	<LOD	36	<LOD	13	14435	211	<LOD	22	<LOD	52	274	61	<LOD	0	588	49	<LOD	10	43	2	<LOD	107	<LOD	4	<LOD	98	94	3	2377	411	249	5
11-Apr-12	19	22.17	stroh 5444	135	NA	3	1	30			47.29	5.79	6.83	3.7	-20.89	23.91	107.32	9.24	12.57	55.59	ND		-6.84	12.48	-1.71	4.53	16277.66	254.62	29.73	8.9	-41.08	18.61	76.67	67.71	ND		429.5	51.09	-1.25	3.67	53.43	3.05	-7.73	39.28	-0.94	1.37	51.43	35.47	119.59	4.3	1457.8	356.92	212.08	5.38
11-Apr-12	20	20.73	wilder_5420	135	NA	1	1	2			249.3	11	<LOD	24.41	<LOD	69.32	235.71	12.87	<LOD	172.87	<LOD	849.83	<LOD	42.59	<LOD	16.02	17237.99	258.67	52.09	9.99	<LOD	48.72	<LOD	218.15	<LOD	0	671.14	57.15	<LOD	11.36	52.81	3.01	<LOD	113.19	<LOD	4.11	<LOD	109.62	119.98	4.19	1588.84	288.98	258.43	5.75
11-Apr-12	20	22.76	wilder 5434	135	NA	3	2	6	30 - 4 are covere wwith clutter		322	12	<LOD	25	<LOD	68	406	15	<LOD	124	<LOD	344	<LOD	38	<LOD	14	15381	221	<LOD	22	<LOD	53	286	64	<LOD	0	583	49	<LOD	10	41	2	<LOD	109	<LOD	4	<LOD	99	109	4	2913	400	234	5
11-Apr-12	20	20.86	stroh 5444	135	NA	3	1	30			56.62	6.42	4.73	4.02	16.23	25.1	61.4	7.83	48.72	60.16	ND		-12.01	14.05	0.51	4.91	19435.57	300.13	38.94	9.84	-6.33	19.55	178.27	77.93	ND		642.73	61.14	-4.11	3.91	67.53	3.5	-4.81	41.24	-1.07	1.47	20.27	37.37	104	4.21	2918.86	398.54	312.64	6.74
11-Apr-12	21	20.51	wilder_5420	163	NA	1	1	0			89.61	7.91	<LOD	18.13	<LOD	79.31	162.25	11.98	<LOD	186.82	<LOD	1030.43	<LOD	42.77	<LOD	14.51	13747.37	246.26	<LOD	26.84	<LOD	55.52	<LOD	215.4	<LOD	0	573.34	58.99	<LOD	13.09	62.77	3.56	<LOD	130.18	<LOD	4.98	<LOD	126.03	98.11	4.26	2082.15	349.52	377.34	7.75
11-Apr-12	21	23.03	wilder 5434	135	NA	3	3	30			87	7	<LOD	14	<LOD	67	361	14	<LOD	121	<LOD	348	<LOD	37	<LOD	15	14166	209	<LOD	20	<LOD	52	341	62	<LOD	0	419	44	<LOD	10	38	2	<LOD	106	<LOD	4	<LOD	98	82	3	1552	364	169	4
11-Apr-12	21	19.06	stroh 5444	135	NA	3	3	30			99.81	6.66	5.03	4.19	26.5	20.91	192.45	10.56	72.78	44.93	ND		6.93	9.81	-8.17	3.51	7989.66	142.52	15.97	7.1	-141.46	15.95	6.08	42.62	ND		412.01	41.76	-0.26	3.29	50.43	2.64	79.37	33.35	-2.05	1.16	71.7	30.29	75.76	3.13	1499.28	267.97	247.61	5.1
11-Apr-12	22	19.14	wilder_5420	163	NA	1	1	0			88.99	7.26	<LOD	16.46	<LOD	73.59	147.61	10.61	<LOD	178.7	<LOD	938.73	<LOD	36.93	<LOD	10.83	12672.35	215.11	<LOD	25.76	<LOD	51.13	<LOD	185.29	<LOD	0	516.52	52.4	<LOD	11.91	53.84	3.08	<LOD	120.51	<LOD	4.56	<LOD	115.95	89.53	3.77	1792.3	312.83	343.61	6.77
11-Apr-12	22	24.02	wilder 5434	135	NA	3	3	30			120	9	<LOD	20	<LOD	80	1424	36	<LOD	148	<LOD	476	<LOD	49	<LOD	18	24159	364	<LOD	30	<LOD	63	525	95	<LOD	0	929	72	<LOD	12	45	3	<LOD	127	<LOD	5	<LOD	116	81	4	2506	509	206	5
11-Apr-12	22	18.69	stroh 5444	135	NA	3	3	30			91.11	6.26	1	3.85	48.77	20.21	187.68	10.17	-33.39	39.27	ND		14.86	10.12	5.43	4.41	7745.92	136.34	1.77	6.2	-145.67	15.53	53.2	41.76	ND		383.1	39.54	7.09	3.25	47.31	2.51	53.15	32.19	-1.53	1.15	-7.78	29.15	65.13	2.88	1035.75	266.11	233.43	4.82
11-Apr-12	23	21.39	wilder_5420	163	NA	1	1	0			110.89	7.95	<LOD	17.38	<LOD	72.49	173.37	11.46	209.8	65.32	1071.5	328.36	<LOD	42.25	<LOD	16.04	13713.61	227.39	<LOD	27.36	<LOD	50.55	<LOD	191.32	<LOD	0	638.84	57.09	<LOD	11.76	53.88	3.09	<LOD	117.91	<LOD	4.84	<LOD	112.85	83.72	3.68	1361.2	311.46	310.56	6.44
11-Apr-12	23	22.98	wilder 5434	135	NA	3	3	30			103	7	<LOD	15	<LOD	70	249	12	<LOD	129	<LOD	403	<LOD	36	<LOD	12	17983	252	<LOD	24	<LOD	54	290	69	<LOD	0	532	50	<LOD	10	50	3	<LOD	110	<LOD	4	<LOD	102	91	3	2397	427	219	5
11-Apr-12	23	18.14	stroh 5444	135	NA	3	3	30			111.05	6.98	6.78	4.41	19.27	21.54	215.78	11.14	9.15	44.53	ND		6.93	10.68	5.47	4.62	9878.57	162.31	13.81	7.11	-78.61	16.24	83.36	48.21	ND		483.12	44.73	5.67	3.37	53.66	2.71	-10.67	34.42	-0.64	1.31	39.11	31.27	82.88	3.25	2144.4	314.29	287.5	5.49
11-Apr-12	24	21.54	wilder_5420	163	NA	1	1	2			99.71	7.81	<LOD	18.45	<LOD	74.06	93.67	9.03	<LOD	190.63	<LOD	1012.18	<LOD	39.12	<LOD	15.53	12304.22	217.4	<LOD	24.31	<LOD	52.51	<LOD	189.33	<LOD	0	784.48	62.23	<LOD	12.29	54.54	3.19	<LOD	120.47	<LOD	4.71	<LOD	115.96	115.48	4.34	2275.05	342.44	356.38	7.14
11-Apr-12	24	23.6	wilder 5434	163	NA	3	2	30			108	8	<LOD	18	<LOD	74	109	9	<LOD	139	<LOD	419	<LOD	39	<LOD	16	14559	236	<LOD	23	<LOD	59	<LOD	202	<LOD	0	623	56	15	4	63	3	<LOD	119	<LOD	5	<LOD	111	104	4	3618	484	328	6
11-Apr-12	24	20.59	stroh 5444	163	NA	3	1	30			73.86	6.55	3.72	4.08	85.3	23.45	82.37	8.09	30.62	49.33	ND		5	11.55	3.2	4.78	12256	205.27	11.78	7.67	-81.88	17.9	-0.38	56.91	ND		412.69	47.33	3.75	3.64	49.53	2.88	22.27	38.02	-1.07	1.34	21.65	34.29	79.92	3.52	2150.38	320.38	227.42	5.38
11-Apr-12	25	21.79	wilder_5420	163	NA	1	1	2			53.05	6.33	<LOD	14.56	<LOD	75.68	100.6	9.42	<LOD	171.57	<LOD	1019.44	<LOD	37.64	<LOD	15.3	11650.99	212.41	<LOD	25.08	<LOD	53.61	<LOD	184.5	<LOD	0	441.34	51.38	<LOD	12.55	58.69	3.33	<LOD	124.76	<LOD	4.62	<LOD	120.54	91.86	3.98	1868.49	335.48	367.96	7.34
11-Apr-12	25	23.92	wilder 5434	163	NA	3	2	30			91	8	<LOD	16	<LOD	75	95	9	<LOD	130	<LOD	385	<LOD	36	<LOD	15	10305	192	<LOD	25	<LOD	59	245	60	<LOD	0	484	50	19	4	49	3	<LOD	118	<LOD	5	<LOD	109	90	4	1236	392	279	6
11-Apr-12	25	19.46	stroh 5444	163	NA	3	1	30			92.28	6.95	6.27	4.39	64.88	23	91.6	8.24	16.58	51.29	ND		-1.8	12.49	-1.11	4.38	14472.79	222.65	24.04	8.18	-45.26	17.58	210.19	62.82	ND		454.77	48.63	-0.84	3.55	59.18	3.02	17.28	37.27	-0.11	1.43	162.43	33.41	98.63	3.75	2173.15	347.92	282.21	5.82
11-Apr-12	26	20.6	wilder_5420	163	NA	1	1	2			65.2	6.5	<LOD	14.94	<LOD	73.76	148.02	10.62	<LOD	177.92	<LOD	972.33	<LOD	37.31	<LOD	17.57	11790.26	205.08	<LOD	23.46	52.04	17.22	<LOD	181.76	<LOD	0	458.74	50.16	<LOD	12.26	59.55	3.21	<LOD	122.12	<LOD	4.46	<LOD	116.98	95.09	3.87	3088.48	349.97	448.05	7.88
11-Apr-12	26	23.9	wilder 5434	163	NA	3	2	30			93	8	<LOD	18	<LOD	79	87	9	<LOD	150	<LOD	480	<LOD	46	<LOD	18	15960	263	<LOD	26	<LOD	63	531	78	<LOD	0	697	61	21	4	57	3	<LOD	127	<LOD	5	<LOD	117	100	4	3477	528	345	7
11-Apr-12	26	20.37	stroh 5444	163	NA	3	1	30			78.58	6.54	16.6	4.4	36.82	22.47	68.53	7.36	-16.12	46.89	ND		46.83	13.37	-2.02	4.23	11888.69	196.72	20.45	8.01	-120.59	17.29	33.55	55.31	ND		535.88	50.11	3.15	3.49	35.9	2.5	18.88	35.84	0.05	1.39	18.07	32.88	99.43	3.77	1887.51	326.33	174.42	4.7
11-Apr-12	27	21.42	wilder_5420	163	NA	1	1	20			100.09	7.65	<LOD	17.84	<LOD	72.22	102.96	9.2	<LOD	165.11	<LOD	959.11	<LOD	38.77	<LOD	15.77	13635.34	226.84	<LOD	26.89	<LOD	50.33	<LOD	191.76	<LOD	0	432.45	49.88	<LOD	12.01	53.95	3.1	<LOD	116.6	<LOD	4.87	<LOD	112.6	98.16	3.94	1538.55	310.94	312.62	6.49
11-Apr-12	27	23.93	wilder 5434	163	NA	3	2	30			92	8	<LOD	18	<LOD	81	57	8	<LOD	151	<LOD	468	<LOD	43	<LOD	15	16205	270	<LOD	28	<LOD	63	330	77	<LOD	0	537	57	14	4	64	3	<LOD	131	<LOD	5	<LOD	119	104	4	3519	526	332	7
11-Apr-12	27	20.51	stroh 5444	163	NA	3	1	2			103.45	7.39	3.15	4.59	-6.12	23.1	102.12	8.77	95.97	53.65	ND		-0.96	11.71	6.2	5	11874.64	199.52	24.8	8.3	-78.89	17.78	115.55	57.46	ND		412.72	47.29	-4.56	3.55	51.3	2.9	-33.86	37.31	-1.91	1.3	24	33.68	80.93	3.52	2104.47	333.88	243.95	5.52
11-Apr-12	28	18.71	wilder_5420	163	NA	4			swing set play area		86.22	6.84	<LOD	15.37	<LOD	69.15	132.68	9.67	<LOD	161.42	<LOD	863.88	<LOD	31.17	<LOD	14.06	9075.09	165.81	<LOD	22.94	<LOD	47.67	<LOD	154.59	<LOD	0	334.39	42.47	<LOD	11.66	48.23	2.81	<LOD	113.57	<LOD	4.54	<LOD	108.02	83.45	3.49	2175.03	300.77	433.99	7.36
11-Apr-12	28	25.43	wilder 5434	163	NA	3	4	30			100	8	<LOD	17	<LOD	76	70	8	<LOD	136	<LOD	421	<LOD	40	<LOD	15	13135	224	<LOD	24	<LOD	59	242	66	<LOD	0	541	53	<LOD	11	43	3	<LOD	119	<LOD	5	<LOD	110	102	4	3917	495	257	6
11-Apr-12	28	19.29	stroh 5444	215	NA	1	2	0			309.84	11.34	11.1	7.03	41.02	21.49	248.52	12.2	9.63	46.6	ND		6.58	11.26	2.35	4.64	13416.55	202.44	41.2	8.55	-149.61	16.31	39.84	55.87	ND		238.29	38.8	1.66	3.35	38.54	2.46	0.23	33.99	-1.05	1.45	-8.8	31.13	86.44	3.39	1586.61	296.97	215.22	4.88
11-Apr-12	29	18.23	wilder_5420	163	NA	4			swing set play area		102.95	7.18	<LOD	15.84	<LOD	67.44	115.95	8.95	<LOD	150.45	<LOD	879.78	<LOD	32.61	<LOD	12	8218.7	153.17	<LOD	22.9	<LOD	46.66	<LOD	143.96	<LOD	0	440	44.8	<LOD	11.34	46.97	2.73	<LOD	109.57	<LOD	4.52	<LOD	105.11	84.16	3.44	2413.1	306.26	422.97	7.11
11-Apr-12	29	23.25	wilder 5434	163	NA	3	4	30			113	8	<LOD	16	<LOD	69	87	8	<LOD	126	<LOD	404	<LOD	34	<LOD	12	13831	213	<LOD	21	<LOD	54	243	62	<LOD	0	477	47	<LOD	10	55	3	<LOD	110	<LOD	4	<LOD	102	88	3	2862	439	272	5
11-Apr-12	29	16.34	stroh 5444	215	NA	1	2	0			348.62	10.85	-5.61	6.5	70.04	19.74	237.62	10.77	59.45	41.68	ND		31.63	10.51	-1.81	3.9	9364.53	144.56	31.72	7.27	-137.41	14.69	43.62	42.78	ND		80.66	27.7	5.19	2.98	29.46	2.01	17.96	31	0.1	1.38	63.47	28.14	75.05	2.88	707.47	226.79	159.08	3.86
11-Apr-12	30	19.67	wilder_5420	163	NA	4			swing set play area		233.36	11.1	<LOD	25.22	<LOD	73.44	293.75	14.78	<LOD	183.26	<LOD	918.99	<LOD	37.59	<LOD	14.74	14091.53	234.41	36.15	9.55	<LOD	50.77	<LOD	203.36	<LOD	0	893.1	64.79	<LOD	12.24	56.95	3.21	<LOD	117.26	<LOD	5.23	<LOD	113.87	119.66	4.35	2745.61	335.35	378.26	7.28
11-Apr-12	30	23.56	wilder 5434	163	NA	3	4	30			97	7	<LOD	16	<LOD	72	73	8	<LOD	121	<LOD	391	<LOD	37	<LOD	15	11993	202	<LOD	25	<LOD	57	187	60	<LOD	0	458	48	<LOD	11	49	3	<LOD	116	<LOD	4	<LOD	105	114	4	1828	409	259	6
11-Apr-12	30	19.12	stroh 5444	215	NA	1	2	0			308.11	11.31	8.67	6.99	12.35	21.42	229.68	11.77	-0.36	44.74	ND		11.4	11.69	2.74	4.65	12709.32	195.34	50.5	8.94	-134.15	16.36	112.35	55.51	ND		219.23	37.62	1.07	3.33	31.4	2.29	-32.12	34.09	-0.78	1.46	46.85	30.86	88.7	3.43	1505.87	280.56	205.46	4.79
11-Apr-12	31	18.74	wilder_5420	163	NA	4			swing set play area		265.74	11.58	<LOD	25.54	<LOD	72.98	333.96	15.43	<LOD	170.91	<LOD	945.48	<LOD	43.46	<LOD	16.36	14784.5	237.46	<LOD	26.96	<LOD	50.55	<LOD	202.51	<LOD	0	895.03	63.8	<LOD	12.15	59.34	3.21	<LOD	118.01	<LOD	5.14	<LOD	113.29	132.48	4.48	2586.51	333.3	448.68	7.88
11-Apr-12	31	22.98	wilder 5434	163	NA	5			house play area		108	7	<LOD	16	<LOD	69	89	8	<LOD	115	<LOD	334	<LOD	33	<LOD	14	12949	199	<LOD	21	<LOD	53	258	59	<LOD	0	489	46	<LOD	10	51	3	<LOD	108	<LOD	4	<LOD	99	77	3	3356	407	263	5
11-Apr-12	31	19.35	stroh 5444	215	NA	1	2	2			309.8	12.07	23.22	7.66	38.49	23.34	225.4	12.41	97.53	56.77	ND		20.1	13.31	1.31	4.95	15560.37	238	33.56	8.95	-47.67	17.91	59.42	63.98	ND		221.25	42.28	-2.75	3.59	49.31	2.87	41.69	38.61	-0.68	1.62	75.32	34.65	101.24	3.87	1906.64	343.69	276.55	5.87
11-Apr-12	32	18.45	wilder_5420	135	NA	4			grapes		61.49	5.93	<LOD	13.91	<LOD	69.37	52.73	6.66	<LOD	153.32	861.99	281.14	<LOD	28.29	<LOD	11.6	7312.95	143.59	<LOD	22.38	<LOD	47.06	<LOD	137.37	<LOD	0	579.76	49.15	<LOD	10.62	43.81	2.66	<LOD	112.62	<LOD	3.94	<LOD	108.24	69.65	3.19	1026.12	265.91	280.3	5.7
11-Apr-12	32	22.58	wilder 5434	163	NA	5			house play area		71	6	<LOD	12	<LOD	63	72	7	<LOD	107	<LOD	330	<LOD	30	<LOD	13	9662	154	<LOD	18	<LOD	49	244	49	<LOD	0	316	37	<LOD	9	47	2	<LOD	101	<LOD	4	<LOD	92	67	3	2556	368	244	5
11-Apr-12	32	19	stroh 5444	215	NA	1	2	2			275.12	10.62	13.14	6.65	70.57	21.47	259.64	12.34	5.46	44.43	ND		14.33	11.31	-0.07	4.42	11127.68	177.57	33.09	8.12	-127.1	16.26	80.31	51.44	ND		210.26	36.46	2.33	3.31	34.34	2.33	-18.5	34.12	-0.06	1.47	47.42	30.96	88.22	3.39	892.96	262.98	206.44	4.76
11-Apr-12	33	17.23	wilder_5420	135	NA	4			grapes		82.34	6.31	<LOD	13.96	<LOD	65.32	71	7.11	<LOD	140.07	<LOD	752.95	<LOD	30.93	<LOD	12.16	8261.23	147.77	<LOD	23.23	<LOD	44.97	<LOD	139.3	<LOD	0	670.03	49.69	<LOD	10.68	45.09	2.57	<LOD	106.91	<LOD	4.11	<LOD	101	80.54	3.23	1312.28	251.14	340.87	6.05
11-Apr-12	33	24.73	wilder 5434	163	NA	5			house play area		94	7	<LOD	14	<LOD	68	85	8	<LOD	101	<LOD	355	<LOD	30	<LOD	14	9863	165	<LOD	20	<LOD	52	<LOD	151	<LOD	0	348	40	<LOD	10	42	2	<LOD	106	<LOD	4	<LOD	99	66	3	2172	383	237	5
11-Apr-12	33	19.02	stroh 5444	215	NA	1	2	2			278.48	10.67	4.2	6.55	52.41	21.23	277.62	12.71	5.19	44.49	ND		21.52	11.3	1.86	4.54	11957.48	185.65	29.87	7.97	-162.03	16.07	-19.26	51.58	ND		179.62	35.51	4.36	3.33	30.47	2.23	-28.99	33.75	1.3	1.55	41.03	30.61	86.22	3.35	1300.85	275.71	211.38	4.79
11-Apr-12	34	18.91	wilder_5420	135	NA	4			grapes		91.9	6.52	<LOD	14.39	<LOD	64.32	115.31	8.52	<LOD	142.81	<LOD	794.19	<LOD	34.11	<LOD	12.06	10024.24	165.58	<LOD	21.08	<LOD	44.29	<LOD	148.81	<LOD	0	893.47	55.72	<LOD	10.39	50.23	2.67	<LOD	104.48	<LOD	3.36	<LOD	101.06	85.91	3.3	2125.42	278.13	349.93	6.1
11-Apr-12	34	23.05	wilder 5434	163	NA	5			house play area		87	7	<LOD	15	<LOD	70	73	7	<LOD	109	<LOD	407	<LOD	37	<LOD	14	12608	198	<LOD	23	<LOD	54	<LOD	172	<LOD	0	551	48	<LOD	11	51	3	<LOD	112	<LOD	4	<LOD	103	102	4	3295	451	367	6
11-Apr-12	34	19.87	stroh 5444	215	NA	1	2	4			386.69	13.36	27.81	8.42	32.97	22.55	297.53	14.04	66.35	54.56	ND		32.2	13.7	3.5	5.12	17503.21	256.42	37.13	9.06	-158.53	17.24	-16.96	66.09	ND		183.67	41	-9.9	3.47	45.95	2.78	12.62	36.41	-2.16	1.55	121.5	33.15	92.73	3.7	2085.82	333.55	251.6	5.56
11-Apr-12	35	18.57	wilder_5420	135	NA	4			grapes		74.04	6.26	<LOD	14.12	<LOD	66.58	46.02	6.28	<LOD	134.15	<LOD	757.89	<LOD	30.66	<LOD	11.67	7717.5	146.84	<LOD	20.59	<LOD	46.05	<LOD	140.37	<LOD	0	501.18	45.93	<LOD	10.87	37.93	2.5	<LOD	108.79	<LOD	3.79	<LOD	104.23	73.79	3.23	1246.09	253.99	297.07	5.82
11-Apr-12	35	23.13	wilder 5434	163	NA	5			house play area		81	7	<LOD	15	<LOD	74	98	9	<LOD	126	<LOD	413	<LOD	38	<LOD	15	12537	204	<LOD	23	<LOD	57	249	61	<LOD	0	411	46	13	4	59	3	<LOD	118	<LOD	4	<LOD	109	115	4	3372	464	344	6
11-Apr-12	35	17.75	stroh 5444	215	NA	1	2	4			259.6	9.62	13.69	6.05	22.87	19.85	195.49	10.07	-29.73	39	ND		19.23	10.22	0.1	4.05	10540.53	159.78	20.44	6.9	-177.77	14.89	8.52	45.73	ND		138.32	30.83	5.18	3.06	32.92	2.14	11.25	31.13	0.06	1.35	49.78	28.18	71.77	2.89	664.24	238.54	165.32	4.01
11-Apr-12	36	20.4	wilder_5420	215	NA	1	1	0	backyard		271.91	11.84	<LOD	27.33	<LOD	73.01	220	12.83	<LOD	195.02	<LOD	1014.55	<LOD	46.41	<LOD	15.97	20619.07	301.68	44.96	10.08	<LOD	51.25	<LOD	236.76	<LOD	0	291.72	48.5	<LOD	12.35	55.17	3.16	<LOD	120.34	<LOD	5.4	<LOD	115.96	124.03	4.39	1762.8	329.62	382.16	7.26
11-Apr-12	36	22.32	wilder 5434	215	NA	3	1	30			201	8	<LOD	17	<LOD	59	159	9	<LOD	92	<LOD	310	<LOD	28	<LOD	11	8707	137	<LOD	19	<LOD	46	192	44	<LOD	0	175	29	13	3	38	2	<LOD	93	<LOD	4	<LOD	84	84	3	1906	330	186	4
11-Apr-12	36	18.11	stroh 5444	215	NA	1	2	4			308.98	10.82	9.14	6.69	53.67	20.56	216.07	10.91	72.65	46.45	ND		19.68	10.99	1.12	4.32	12394.17	183.65	16.53	7.04	-127.43	15.66	11.94	51.11	ND		161.25	34.02	3.27	3.16	32.55	2.21	67.47	32.77	-2.55	1.27	38.46	29.62	72.68	3.01	1416.45	269.56	174.15	4.24
11-Apr-12	37	19.59	wilder_5420	215	NA	1	1	0	backyard		316.7	11.87	<LOD	26.31	<LOD	67.84	208.99	11.69	<LOD	167.41	<LOD	839.82	<LOD	40.77	<LOD	12.03	16575.43	242.03	30.02	8.66	<LOD	46.82	<LOD	203.88	<LOD	0	376.78	46.18	<LOD	10.92	44.5	2.71	<LOD	110.62	<LOD	4.27	<LOD	106.85	106.62	3.83	1736.98	285.87	304.48	5.99
11-Apr-12	37	22.76	wilder 5434	215	NA	3	1	30			165	8	<LOD	17	<LOD	60	146	9	<LOD	88	<LOD	271	<LOD	27	<LOD	10	7930	132	<LOD	17	<LOD	46	<LOD	125	<LOD	0	150	28	13	3	32	2	<LOD	93	<LOD	4	<LOD	85	69	3	1730	303	169	4
11-Apr-12	37	19.21	stroh 5444	215	NA	3	4	30			693.08	17.35	13.33	10.32	9.2	21.65	515.11	17.65	7.62	47.92	ND		5.02	11.62	2.52	5.13	13767.37	207.89	61.1	9.6	-186.08	16.32	65.51	57.52	ND		235.27	39.51	-4.37	3.35	29.13	2.29	-18.17	33.91	-4.58	1.55	38.01	30.83	64.08	3.05	1571.56	306.09	240.61	5.18
11-Apr-12	38	19.36	wilder_5420	215	NA	1	1	0	backyard		377.53	13.23	<LOD	29.08	<LOD	67	237.35	12.65	<LOD	132.57	<LOD	784.7	<LOD	33.47	<LOD	14.18	12783.01	207.62	<LOD	24.98	<LOD	46.83	<LOD	179.41	<LOD	0	264.02	40.77	11.9	3.76	35.36	2.55	<LOD	107.46	<LOD	5.05	<LOD	102.47	95.96	3.73	1577.44	273.02	234.28	5.37
11-Apr-12	38	22.86	wilder 5434	215	NA	3	1	30			211	9	<LOD	20	<LOD	61	210	10	<LOD	89	<LOD	294	<LOD	27	<LOD	14	9329	150	<LOD	20	<LOD	48	187	47	<LOD	0	178	31	10	3	34	2	<LOD	96	<LOD	4	<LOD	89	75	3	1936	329	184	4
11-Apr-12	38	19.68	stroh 5444	215	NA	3	4	30			576.33	15.86	13.03	9.55	27.11	21.58	619.79	19.57	61.95	48.68	ND		16.35	11.71	-10.19	4.23	12083.16	192.41	47.79	9.15	-156.98	16.58	22.99	54.03	ND		207.09	38.01	5.37	3.44	36.1	2.46	-10.73	33.72	-0.32	1.72	63.24	30.74	69.34	3.16	1617.25	287.3	208.81	4.89
11-Apr-12	39	20.95	wilder_5420	215	NA	1	1	2	backyard		389.81	13.65	<LOD	30.99	<LOD	68.94	249.99	13.19	<LOD	153.44	<LOD	821.47	<LOD	40.94	<LOD	14.3	16693.21	252.24	42.82	9.57	<LOD	48.1	<LOD	210.59	<LOD	0	270.45	43.64	<LOD	11.23	37.96	2.66	<LOD	110.61	<LOD	5.37	<LOD	106.47	88.16	3.66	1622.87	284.11	230.59	5.41
11-Apr-12	39	23.6	wilder 5434	215	NA	3	2	30			323	13	<LOD	27	<LOD	77	364	16	<LOD	144	<LOD	429	<LOD	41	<LOD	15	13207	224	<LOD	28	<LOD	60	215	66	<LOD	0	492	52	<LOD	11	48	3	<LOD	123	<LOD	5	<LOD	113	88	4	1969	445	285	6
11-Apr-12	39	17.72	stroh 5444	215	NA	3	4	30			770.66	18.12	10.87	10.67	76.95	21.92	579.99	18.47	32.18	49.11	ND		21.43	12.25	-3.19	4.82	14440.68	211.14	79.09	10.22	-70.93	16.6	31.35	57.48	ND		254.3	40.08	0.05	3.34	38.32	2.48	53.11	34.93	0.48	1.87	97.3	31.77	74.13	3.18	1663.86	305.4	249.71	5.19
11-Apr-12	40	18.97	wilder_5420	215	NA	1	1	2	backyard		273.5	9.87	<LOD	22.75	<LOD	57.99	188.74	9.95	<LOD	127.53	<LOD	664.55	<LOD	32.26	<LOD	11.49	12230.49	176.34	<LOD	20.7	<LOD	40.17	<LOD	155.28	<LOD	0	224.72	34.36	<LOD	9.2	26.12	2	<LOD	90.04	<LOD	3.86	<LOD	87.19	67.16	2.81	767.21	214.59	138.73	3.74
11-Apr-12	40	23.71	wilder 5434	215	NA	3	2	30			167	10	<LOD	21	<LOD	76	240	13	<LOD	141	<LOD	420	<LOD	38	<LOD	18	11468	204	<LOD	26	<LOD	60	220	62	<LOD	0	423	49	<LOD	12	49	3	<LOD	122	<LOD	6	<LOD	112	84	4	2066	441	308	6
11-Apr-12	40	18.52	stroh 5444	215	NA	3	4	2			303.38	10.65	11.96	6.63	-4.27	20.31	259.1	11.8	57.44	42.44	ND		3.45	9.28	2.95	4.41	8311.73	141.24	35.05	7.71	-167.51	15.33	5.33	41.98	ND		98.84	29.18	1.23	3.13	30.06	2.13	-22.26	31.87	0.08	1.42	33.51	29.09	60.31	2.78	1074.74	241.69	179.8	4.26
11-Apr-12	41	17.93	wilder_5420	215	NA	1	1	2	backyard		350.53	12.18	<LOD	27.96	<LOD	65.82	251.8	12.46	<LOD	148.66	<LOD	755.95	<LOD	40.9	<LOD	14.29	16881.57	239.08	36.2	8.74	<LOD	45.33	<LOD	199.09	<LOD	0	281.05	41.63	<LOD	10.32	34.4	2.41	<LOD	104.8	<LOD	4.36	<LOD	100.88	86.41	3.41	1150.41	252.37	193.95	4.7

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
11-Apr-12	41	23.88	wilder 5434	215	NA	3	2	30			152	10	<LOD	21	<LOD	78	235	13	<LOD	127	<LOD	426	<LOD	36	<LOD	16	11269	206	<LOD	28	<LOD	60	289	64	<LOD	0	424	49	14	4	49	3	<LOD	124	<LOD	5	<LOD	112	80	4	2075	448	274	6
11-Apr-12	41	18.16	stroh 5444	215	NA	3	4	2			333.7	11.22	5.32	6.87	16.9	20.48	234.14	11.32	155.47	50.05	ND		18.27	11.08	0.91	4.32	11682.01	176.34	27.54	7.54	-152.85	15.52	73.25	50.49	ND		147.41	33.52	-5.47	3.1	36	2.28	-11.69	33	-1.47	1.36	11.01	29.58	65.26	2.88	1297.95	265.69	191.85	4.41
11-Apr-12	42	21.11	wilder_5420	215	NA	1	1	4	backyard		372.19	14.03	46.4	11.02	<LOD	73.65	279.71	14.6	<LOD	193.17	<LOD	1001.31	<LOD	44.86	<LOD	16.68	23660.24	339.65	34.6	9.66	<LOD	51.48	<LOD	262.05	<LOD	0	409.96	54.23	<LOD	12.22	59.86	3.33	<LOD	120.06	<LOD	5.58	<LOD	116.28	110.32	4.24	2466.38	347.76	314.78	6.65
11-Apr-12	42	23.67	wilder 5434	215	NA	3	3	30			611	19	<LOD	38	<LOD	79	374	17	<LOD	163	619	174	<LOD	45	<LOD	17	16943	271	50	11	<LOD	61	308	76	<LOD	0	432	53	21	4	52	3	<LOD	125	<LOD	7	<LOD	115	102	4	3232	546	335	7
11-Apr-12	42	18.41	stroh 5444	215	NA	3	4	2			391.85	12.57	17.03	7.79	47.1	21.28	278.12	12.71	85.08	48.97	ND		28.38	12.34	-4.47	4.2	13681.86	202.26	40.99	8.54	-105.02	16.28	61.65	55.97	ND		247.75	38.92	1.39	3.33	38.66	2.43	7.69	34.34	-0.81	1.52	88.93	31.19	73.52	3.13	2017.72	290.68	252.95	5.19
11-Apr-12	43	19.87	wilder_5420	215	NA	1	1	4	backyard		299.15	11.44	33.52	8.98	<LOD	66.86	220.21	11.87	<LOD	159.85	<LOD	810.21	<LOD	40.48	<LOD	14.08	16574.7	239.48	39.04	8.96	<LOD	46.26	<LOD	203.69	<LOD	0	328.9	44.02	<LOD	10.71	37.42	2.52	<LOD	108.25	<LOD	4.63	<LOD	103.61	99.92	3.68	1070.93	262.09	255.47	5.43
11-Apr-12	43	22.39	wilder 5434	215	NA	3	3	30			441	12	<LOD	26	<LOD	59	297	12	<LOD	88	<LOD	289	<LOD	31	<LOD	11	7628	128	<LOD	21	<LOD	46	167	42	<LOD	0	108	27	13	3	33	2	<LOD	91	<LOD	4	<LOD	85	62	3	1542	308	216	4
11-Apr-12	43	19.41	stroh 5444	120	NA	1	1	0			400.7	14.54	57.27	9.53	35.52	25.62	722.91	23.46	62.42	65.72	ND		56.01	17.88	-4.19	5.33	27446	379.9	80.08	11.98	-11.68	19.28	73.07	88.72	ND		384.78	55.57	-0.97	3.82	47.36	3.01	-72.81	42.45	-0.27	1.87	67.36	38.19	128.4	4.56	2660.97	409.02	259.18	6.04
11-Apr-12	44	18.24	wilder_5420	215	NA	1	1	4	backyard		383.02	13.14	<LOD	29.36	<LOD	68.1	235.29	12.42	<LOD	156.98	<LOD	846.93	<LOD	41.07	<LOD	12.35	17574.1	253.56	<LOD	25.29	<LOD	46.85	<LOD	208.89	<LOD	0	319.26	44.67	<LOD	11.01	47.39	2.8	<LOD	109.69	<LOD	4.89	<LOD	105.17	106.67	3.85	1586.71	284.5	270.54	5.68
11-Apr-12	44	23.38	wilder 5434	215	NA	3	3	30			501	15	<LOD	33	<LOD	71	350	15	<LOD	142	<LOD	411	<LOD	38	<LOD	12	13798	218	29	9	<LOD	56	319	65	<LOD	0	304	43	15	4	45	3	<LOD	114	<LOD	6	<LOD	105	91	4	3099	456	293	6
11-Apr-12	44	19.34	stroh 5444	120	NA	1	1	0			846.08	21.16	50.39	12.73	61.54	23.98	1029.06	27.84	-5.86	63.03	ND		23.01	16.53	5.49	6.31	32990.59	428.57	136.61	13.76	-96.71	18.47	-65.24	93.55	ND		568.48	61.4	0.15	3.72	39.5	2.81	1.15	38.62	-5.65	1.82	93.53	35.19	133.86	4.57	2069.22	370.62	228.12	5.58
11-Apr-12	45	19.72	wilder_5420	215	NA	1	1	30	backyard		313.58	11.74	<LOD	26.31	<LOD	66.84	199.2	11.37	<LOD	172.32	<LOD	833.42	<LOD	34.37	<LOD	13.75	14609.4	220.43	40.01	8.91	<LOD	46.37	<LOD	188.62	<LOD	0	409.09	46.33	<LOD	10.99	46.62	2.74	<LOD	108.76	<LOD	4.77	<LOD	104.66	97.19	3.65	1571.43	278.9	334.2	6.23
11-Apr-12	45	23.83	wilder 5434	215	NA	3	3	2			357	13	<LOD	29	<LOD	73	224	13	<LOD	120	<LOD	349	<LOD	33	<LOD	16	10003	182	<LOD	26	<LOD	57	<LOD	167	<LOD	0	183	37	12	4	39	3	<LOD	114	<LOD	6	<LOD	104	76	3	2006	389	208	5
11-Apr-12	45	19.13	stroh 5444	120	NA	1	1	0			820.12	20.22	41.31	12.11	69.44	23.31	971.92	26.2	32.59	60.82	ND		24.78	15.68	2.16	5.86	26935.37	355.99	105.04	12.24	-117.4	17.8	66.6	83.63	ND		371.98	52.26	7.1	3.65	41.73	2.77	-45.22	37.14	-0.62	2.02	134.27	33.9	120.74	4.23	1544.03	351.98	211.02	5.22
11-Apr-12	46	19.67	wilder_5420	215	NA	1	1	30	backyard		233.76	10.1	<LOD	23.02	<LOD	66.82	151.4	9.95	<LOD	140.07	<LOD	794.37	<LOD	38.59	<LOD	13.91	11323.89	184.86	<LOD	24.62	<LOD	46.23	<LOD	166.68	<LOD	0	403.65	43.95	<LOD	10.74	47.78	2.73	<LOD	108.97	<LOD	4.39	<LOD	104.39	89.13	3.48	1113.9	257.87	311.98	5.95
11-Apr-12	46	23.83	wilder 5434	215	NA	3	3	2			468	16	<LOD	33	<LOD	77	283	14	<LOD	135	<LOD	416	<LOD	39	<LOD	15	12700	220	41	10	<LOD	59	265	66	<LOD	0	129	37	<LOD	12	43	3	<LOD	120	<LOD	5	<LOD	110	89	4	2214	445	267	6
11-Apr-12	46	18.11	stroh 5444	120	NA	1	1	0			832.92	20.58	29.02	12.2	70.02	24.19	757.49	23.12	31.88	65.17	ND		1.27	16.63	16.66	6.71	33673.46	426.4	87.17	11.75	-48.89	18.35	230.34	95.51	ND		397.34	55.96	9.39	3.78	50.46	3.01	11.71	39.42	-2.22	1.99	90.68	35.39	128.86	4.4	2060.07	382.42	273.96	5.96
11-Apr-12	47	19.76	wilder_5420	215	NA	1	1	30	backyard		138.79	8.84	<LOD	20.46	<LOD	73.8	148.07	10.84	<LOD	155.93	<LOD	925.61	<LOD	38.03	<LOD	14.09	12101.07	212.47	<LOD	26.53	<LOD	51.35	<LOD	187.43	<LOD	0	419.3	49.34	<LOD	12.18	49.97	3.05	<LOD	122.83	<LOD	5.01	<LOD	115.9	104.52	4.11	866.69	287.16	347.97	6.96
11-Apr-12	47	22.32	wilder 5434	215	NA	3	3	2			396	12	<LOD	25	<LOD	62	264	11	<LOD	102	<LOD	303	<LOD	31	<LOD	12	10649	160	<LOD	22	<LOD	47	148	48	<LOD	0	245	34	<LOD	9	36	2	<LOD	96	<LOD	4	<LOD	88	79	3	2295	342	203	4
11-Apr-12	47	19.27	stroh 5444	120	NA	1	1	0			774.31	20.34	63.32	12.47	75.23	24.63	967.77	27.18	120.77	68.15	ND		38.85	17.21	-4.21	5.69	28230.27	383.25	210.9	16.16	-4.52	19.08	106.07	89.16	ND		386.66	55.52	5.98	3.72	24.98	2.44	-5.74	40.41	2.89	2.27	69.86	36.59	158.57	4.98	2268.17	393.42	149.74	4.75
11-Apr-12	48	20.87	wilder_5420	119	NA	1	1	0	backyard		487.85	15.87	<LOD	35.32	<LOD	73.5	317.96	15.31	<LOD	192.29	<LOD	1013.25	<LOD	44.94	<LOD	17.58	22193.98	319.71	34.02	9.54	<LOD	50.84	<LOD	250.57	<LOD	0	337	50.74	<LOD	11.92	48.42	3.03	<LOD	117.66	<LOD	5.78	<LOD	113.26	111.35	4.21	1825.07	331.91	310.13	6.51
11-Apr-12	48	22.35	wilder 5434	215	NA	3	3	4			321	11	<LOD	23	<LOD	60	244	11	<LOD	97	<LOD	330	<LOD	31	<LOD	10	9680	149	<LOD	21	<LOD	47	224	47	<LOD	0	174	30	11	3	38	2	<LOD	93	<LOD	4	<LOD	85	69	3	1545	336	205	4
11-Apr-12	48	20.95	stroh 5444	120	NA	1	1	2			597.87	18.91	33.33	11.58	0.67	26.23	539.86	21.33	111.8	72.33	ND		42.53	18.61	-5.13	5.56	28330.35	412.45	84.23	12.82	-45.05	20.27	106.61	95.56	ND		297.1	56.25	2.63	4.12	44.39	3.14	-22.03	42.93	-3.33	1.91	35.4	39.42	135.24	4.95	2380.9	422.98	275.31	6.6
11-Apr-12	49	21.01	wilder_5420	119	NA	1	1	0	backyard		465.24	17.31	<LOD	38.11	<LOD	80.9	313.91	17.03	<LOD	201.91	<LOD	1085.7	<LOD	50.42	<LOD	19.75	20621.9	339.55	53.19	11.68	<LOD	56.81	<LOD	273.72	<LOD	0	398.67	57.97	<LOD	13.41	54.26	3.54	<LOD	130.44	<LOD	6.14	<LOD	126.17	110.5	4.69	2066.54	367.89	326.82	7.49
11-Apr-12	49	23.04	wilder 5434	215	NA	3	3	4			351	12	<LOD	25	<LOD	66	202	11	<LOD	114	<LOD	359	<LOD	33	<LOD	14	10115	167	<LOD	24	<LOD	51	215	52	<LOD	0	134	32	10	3	39	2	<LOD	103	<LOD	5	<LOD	96	77	3	1994	379	207	5
11-Apr-12	49	21.87	stroh 5444	120	NA	1	1	2			604.4	18.39	29.41	11.2	-10.17	25.31	475.86	19.32	-3.23	64.93	ND		23.48	16.99	3.71	6.01	27217.12	386.31	60.4	11.38	-29.82	19.67	83.25	90.36	ND		520.67	60.9	-0.79	4.02	56.75	3.33	-25.74	41.87	-0.12	2.07	81.58	37.77	148.88	5.01	2610.16	428.39	341.15	7.14
11-Apr-12	50	20.02	wilder_5420	119	NA	1	1	0	backyard		549.37	17.93	<LOD	39.99	<LOD	77.51	371.58	17.57	<LOD	207.15	<LOD	1110.68	<LOD	50.68	<LOD	20.25	23633.58	355.9	48.22	10.95	<LOD	54.45	<LOD	271.64	<LOD	0	364.59	55.54	<LOD	13.09	60.57	3.52	<LOD	126.35	<LOD	5.54	<LOD	120.85	124.73	4.71	2229.5	369.84	342.76	7.31
11-Apr-12	50	22.87	wilder 5434	215	NA	3	3	4			324	11	<LOD	24	<LOD	65	195	10	<LOD	102	<LOD	296	<LOD	33	<LOD	13	9640	158	<LOD	21	<LOD	50	251	50	<LOD	0	185	32	<LOD	10	38	2	<LOD	100	<LOD	4	<LOD	92	76	3	2433	349	226	5
11-Apr-12	50	19.48	stroh 5444	120	NA	1	1	2			590.37	17.14	26.22	10.44	34.09	23.6	766.11	23.36	79.72	64.38	ND		11.96	15.44	0.95	5.57	28331.96	375.53	85.23	11.6	-106.43	18.12	42.9	86.63	ND		388.81	54.06	-0.73	3.65	40.99	2.77	42	38.51	-2.51	1.77	79.33	34.78	123.06	4.32	1687.76	363.09	224.71	5.45
11-Apr-12	51	19.3	wilder_5420	119	NA	1	1	2	backyard		556.29	17.11	<LOD	37.8	<LOD	72.84	427.32	17.84	<LOD	191.17	1412.61	354.59	<LOD	44.63	<LOD	18.57	21714.8	316.46	65.74	11	<LOD	51	<LOD	249.72	<LOD	0	403.25	53.16	<LOD	11.95	43.59	2.94	<LOD	116.75	<LOD	6.46	<LOD	113.86	112	4.24	<LOD	959.86	267.19	6.08
11-Apr-12	51	23.25	wilder 5434	120	NA	3	1	30			383	13	<LOD	28	<LOD	68	304	14	<LOD	126	<LOD	354	<LOD	33	<LOD	15	13590	208	32	9	<LOD	53	<LOD	181	<LOD	0	373	43	12	3	44	3	<LOD	106	<LOD	5	<LOD	98	95	4	2179	388	227	5
11-Apr-12	51	19.1	stroh 5444	120	NA	1	1	4			654.43	18.34	23.52	11.05	9.94	23.72	712.1	22.76	80.27	68.88	ND		0.86	17.27	-0.77	5.57	35081.19	448.8	88.73	11.98	-92.52	18.46	281.31	99.54	ND		616.72	63.61	-0.28	3.76	41.68	2.84	56.06	39.04	-2.72	1.85	168.84	35.24	129.3	4.48	2040.5	387.37	280.44	6.14
11-Apr-12	52	20.59	wilder_5420	119	NA	1	1	2	backyard		500.98	16.29	<LOD	36.06	<LOD	74.7	300.76	15.11	<LOD	213.67	<LOD	1106.46	<LOD	48.99	<LOD	17.42	28309.35	387.34	53.01	10.49	<LOD	51.79	293.04	96.79	<LOD	0	373.59	55.28	<LOD	12.58	62.59	3.4	<LOD	120.68	<LOD	5.87	<LOD	115.09	132.75	4.61	2170.18	361.4	356.11	7.11
11-Apr-12	52	23.55	wilder 5434	120	NA	3	1	30			552	17	<LOD	35	<LOD	73	397	17	<LOD	150	<LOD	408	<LOD	45	<LOD	18	19721	287	43	10	<LOD	57	293	77	<LOD	0	502	53	16	4	41	3	<LOD	115	<LOD	6	<LOD	107	107	4	2853	456	246	5
11-Apr-12	52	19.79	stroh 5444	120	NA	1	1	4			859.36	21.56	58.3	13.01	29.26	23.7	923.08	26.46	31.38	67.57	ND		6.89	17.28	2.96	6.15	34207.68	445.32	103.47	12.69	-173.19	18.28	222.65	98.89	ND		798.66	68.78	-0.09	3.71	37.83	2.79	55.5	38.32	0.06	2.17	50.32	34.81	127.74	4.51	1999.16	397.23	190.27	5.19
11-Apr-12	53	20.57	wilder_5420	119	NA	1	1	2	backyard		492.64	17.58	<LOD	38.7	<LOD	80.33	358.06	17.85	<LOD	209.07	1292.45	403.71	<LOD	50.09	<LOD	16.78	24381.93	377.78	<LOD	31.34	<LOD	56.33	<LOD	281.04	<LOD	0	266.92	54.18	<LOD	13.48	52.88	3.46	<LOD	131.21	<LOD	6.22	<LOD	124.75	120.55	4.81	1876.87	386.23	325.83	7.38
11-Apr-12	53	23.63	wilder 5434	120	NA	3	1	30			290	12	<LOD	26	<LOD	74	206	12	<LOD	129	<LOD	419	<LOD	39	<LOD	15	13772	224	<LOD	26	<LOD	57	258	66	<LOD	0	266	42	<LOD	11	52	3	<LOD	118	<LOD	5	<LOD	109	118	4	1549	422	237	5
11-Apr-12	53	1.89	stroh 5444	120	NA	1	1	4			707.13	62.58	20.47	37.41	144.01	83.09	686.97	73.19	141.78	230.07	ND		29.76	53.61	-14.2	15.24	31778.31	1360.48	66.55	36.68	-16.4	61.87	-134.77	298.15	ND		285.97	174.37	14.18	12.84	34.91	8.79	374.67	136.32	-12.03	3.95	56.3	118.05	166.41	16.56	3321.4	1399.07	287.88	20.5
11-Apr-12	54	19.21	wilder_5420	119	NA	1	1	4	backyard		115.42	8.18	<LOD	18.55	<LOD	74.82	96.41	9.04	<LOD	204.71	1099.78	348.58	<LOD	45.13	<LOD	13.74	20539.98	303.36	<LOD	25.95	<LOD	51.81	341.93	83.64	<LOD	0	<LOD	128.63	<LOD	11.92	52.3	3.1	<LOD	123.96	<LOD	4.66	<LOD	118.56	91.13	3.86	1611.44	333.53	300.87	6.41
11-Apr-12	54	23.9	wilder 5434	120	NA	3	1	2			239	11	<LOD	23	<LOD	73	181	11	<LOD	124	<LOD	374	<LOD	35	<LOD	14	11298	198	<LOD	24	<LOD	57	<LOD	174	<LOD	0	218	39	<LOD	11	41	3	<LOD	114	<LOD	5	<LOD	106	105	4	2086	408	201	5
11-Apr-12	54	19.27	stroh 5444	120	NA	1	1	4			742.44	19.92	27.22	11.91	32.77	24.58	777.11	24.18	145.51	73.6	ND		21.04	17.54	-0.14	5.81	36632.32	470.82	104.23	12.79	-91.23	18.76	21.62	100.44	ND		497.32	61.91	-0.98	3.79	54.23	3.18	7.24	40.32	-1.48	2.02	22.91	36.62	135.67	4.65	2371.57	409.89	262.24	6.03
11-Apr-12	55	19.62	wilder_5420	119	NA	1	1	4	backyard		568.22	17.84	<LOD	39.22	<LOD	75.68	417.04	18.19	<LOD	199.92	<LOD	982.09	<LOD	48.7	<LOD	17.52	24947.79	361.67	68.81	11.55	<LOD	53.01	<LOD	272.02	<LOD	0	358.99	54.32	<LOD	12.41	42.7	3.02	<LOD	123.54	<LOD	6.08	<LOD	118.54	121.6	4.55	2294.77	344.39	299.34	6.65
11-Apr-12	55	23.72	wilder 5434	120	NA	3	1	2			329	13	<LOD	28	<LOD	73	236	13	<LOD	129	<LOD	423	<LOD	41	<LOD	14	15002	240	<LOD	28	<LOD	57	<LOD	204	<LOD	0	325	45	<LOD	11	49	3	<LOD	117	<LOD	5	<LOD	106	123	4	3147	472	255	6
11-Apr-12	55	19.48	stroh 5444	120	NA	1	1	8			863.49	22.18	34.21	13.15	10.87	25.32	831.79	25.69	153.4	76.88	ND		31.03	19.51	-1.22	6.04	36008.51	475.82	121.64	13.85	-48.69	19.47	334.47	105.07	ND		574.8	65.74	7.21	4	44.64	3.05	29.66	41.31	-2.22	2.13	93.15	37.39	148.94	4.98	1919.47	422.79	281.57	6.41
11-Apr-12	56	19.34	wilder_5420	119	NA	1	1	4	backyard		536.73	16.65	<LOD	36.85	<LOD	72.77	368.57	16.43	<LOD	176.83	<LOD	923.32	<LOD	45.49	<LOD	16.85	21342.01	310.11	41.46	9.89	<LOD	50.46	<LOD	244.15	<LOD	0	261.65	47.24	<LOD	11.71	47.85	3.01	<LOD	117.03	<LOD	6.04	<LOD	113.32	113.84	4.24	1771.72	313.1	282.87	6.2
11-Apr-12	56	23.28	wilder 5434	120	NA	3	1	2			172	9	<LOD	19	<LOD	70	144	10	<LOD	120	<LOD	337	<LOD	34	<LOD	13	11632	192	<LOD	23	<LOD	55	248	58	<LOD	0	305	41	15	4	46	3	<LOD	111	<LOD	5	<LOD	102	141	4	2465	390	256	5
11-Apr-12	56	19.95	stroh 5444	120	NA	1	1	8			915.94	22.46	51.17	13.39	0.31	24.03	982.95	27.54	-60.08	62.57	ND		-1.49	16.84	1.12	6.14	31465.28	419.36	123.8	13.47	-117.91	18.66	267.96	96.09	ND		549.16	61.38	-3.78	3.7	40.28	2.87	82.78	38.39	-2.6	2.07	48.37	34.86	134.56	4.65	1473.75	384.96	201.51	5.36
11-Apr-12	57	19.99	wilder_5420	119	NA	1	1	6	backyard		374.32	13.93	<LOD	32.15	<LOD	71.41	295.83	14.83	<LOD	174.59	<LOD	918.44	<LOD	39.34	<LOD	13.84	16893.29	264.65	28.94	9.23	<LOD	50.15	<LOD	221.43	<LOD	0	226.05	44.29	12.16	4	39.85	2.81	<LOD	115.05	<LOD	5.54	<LOD	109.68	93.48	3.9	1192.46	295.92	249.32	5.85
11-Apr-12	57	23.75	wilder 5434	119	NA	1	2	0			390	14	<LOD	30	<LOD	75	248	13	<LOD	152	<LOD	456	<LOD	46	<LOD	16	21504	312	34	10	<LOD	58	421	83	<LOD	0	386	51	<LOD	11	46	3	<LOD	118	<LOD	5	<LOD	108	82	4	2950	492	217	5
11-Apr-12	57	19.83	stroh 5444	120	NA	1	1	8			805.77	20.81	53.65	12.61	-5.85	23.93	754.93	23.78	-21.21	63.18	ND		23.53	17.76	1.89	5.95	31648.5	419.19	122.07	13.34	-138.91	18.44	274.28	95.94	ND		364.99	55.58	1.77	3.76	43.52	2.93	31.81	38.66	-1.84	2.03	32.29	34.79	121.16	4.4	1957.43	386.88	219.62	5.53
11-Apr-12	58	20.47	wilder_5420	119	NA	1	1	6	backyard		408.01	14.14	<LOD	31.66	<LOD	71.37	297.53	14.51	<LOD	166.05	<LOD	919.51	<LOD	40.57	<LOD	16.02	18072.87	269.97	46.98	9.84	<LOD	49.43	<LOD	224.18	<LOD	0	254.29	44.63	<LOD	11.88	41.99	2.8	<LOD	117.56	<LOD	4.74	<LOD	112.02	109.43	4.08	1591.5	304	318.54	6.45
11-Apr-12	58	23.18	wilder 5434	119	NA	1	2	0			298	12	<LOD	25	<LOD	70	210	11	<LOD	122	<LOD	361	<LOD	38	<LOD	13	14579	220	<LOD	24	<LOD	54	275	64	<LOD	0	274	40	12	3	43	3	<LOD	110	<LOD	5	<LOD	102	80	3	1488	375	211	5
11-Apr-12	58	19.67	stroh 5444	120	NA	1	1	12			550.02	17.13	86.76	11.2	33.74	24.79	1239.6	31.6	53.42	65.84	ND		22.99	16.09	3.04	6.29	25414.87	358.99	215.47	16.54	-34.33	19.21	11.1	85	ND		721.02	65.21	7.87	3.86	56.5	3.26	-68.57	40.7	-0.46	1.99	107.69	36.91	228.38	6.07	1724.1	391.82	208.23	5.57
11-Apr-12	59	18.95	wilder_5420	119	NA	1	1	6	backyard		518.56	16.31	<LOD	36.22	<LOD	72.62	359.69	16.23	<LOD	184.55	<LOD	991.74	<LOD	48.21	<LOD	17.07	21682.63	313.02	60.35	10.73	<LOD	50.28	<LOD	247.88	<LOD	0	353.82	50.72	<LOD	11.95	56.76	3.21	<LOD	116.12	<LOD	5.25	<LOD	111.83	129.32	4.48	2656.09	346.97	347.71	6.91
11-Apr-12	59	22.15	wilder 5434	119	NA	1	2	0			376	12	<LOD	25	<LOD	65	251	12	<LOD	123	<LOD	360	<LOD	42	<LOD	14	21261	265	<LOD	24	<LOD	51	387	71	<LOD	0	380	43	<LOD	10	50	3	<LOD	104	<LOD	4	<LOD	96	79	3	2162	386	230	5
11-Apr-12	59	19.97	stroh 5444	120	NA	1	1	12			884.77	21.67	30.06	12.78	-0.64	23.48	988.35	27.19	27.82	63.58	ND		-8.63	15.52	-1.7	5.78	30654.95	404.47	119.39	13.02	-143.12	18.19	138.25	92.12	ND		415.06	56.18	0.64	3.64	39.37	2.8	19.81	37.39	-4.95	1.84	75.01	34.05	108.41	4.14	1403.13	353.66	157.18	4.74
11-Apr-12	60	21.14	wilder_5420	119	NA	1	1	50	backyard		182.01	9.68	<LOD	22.13	<LOD	70.92	152.36	10.7	<LOD	173.36	<LOD	805.68	<LOD	38.69	<LOD	14.71	13176.31	218.67	29.53	9.11	<LOD	49.36	<LOD	187.34	<LOD	0	321.07	45.18	<LOD	11.54	42.32	2.79	<LOD	115.83	<LOD	5.14	<LOD	109.47	96.7	3.86	1623.76	282.57	276.29	6
11-Apr-12	60	24.07	wilder 5434	119	NA	1	2	2			342	14	<LOD	30	<LOD	77	231	14	<LOD	140	<LOD	451	<LOD	47	<LOD	15	20642	318	<LOD	29	<LOD	61	340	85	<LOD	0	375	52	<LOD	12	38	3	<LOD	123	<LOD	6	<LOD	113	79	4	2536	487	189	5
11-Apr-12	60	17.95	stroh 5444	120	NA	1	1	12			920.38	20.12	30.32	11.83	86.28	21.38	1190.47	27.37	78.07	56.21	ND		46.25	14.95	3.6	5.66	22680.43	291.97	130.23	12.2	-158.81	16.34	113.67	72.47	ND		551.53	52.45	-1.89	3.25	35.81	2.45	-37.66	33.82	-1.45	1.88	-11.67	30.75	110.46	3.79	1068.08	300	150.39	4.22
11-Apr-12	61	19.29	wilder_5420	119	NA	1	1	50	backyard		174.89	8.87	23.15	7.04	<LOD	67.48	132.83	9.4	<LOD	163.32	902.07	299.57	<LOD	36.64	<LOD	14.11	15370.66	225.96	<LOD	23.83	<LOD	46.58	<LOD	194.88	<LOD	0	305.46	42.75	<LOD	10.93	48.68	2.75	<LOD	108.15	<LOD	4.37	<LOD	104.56	105.94	3.75	1527.34	289.62	310.7	5.95
11-Apr-12	61	22.37	wilder 5434	119	NA	1	2	2			412	12	<LOD	26	<LOD	60	263	11	<LOD	109	<LOD	343	<LOD	36	<LOD	14	18612	231	28	8	<LOD	47	383	64	<LOD	0	228	36	12	3	36	2	<LOD	93	<LOD	5	<LOD	85	76	3	1397	346	150	4
11-Apr-12	61	19.52	stroh 5444	120	NA	1	1	12			695.38	19.17	53.3	11.8	46.04	24.48	547.62	20.1	152.55	69.04	ND		34.23	17.02	-3.41	5.45	25641.02	356.57	109.13	12.88	-46	18.88	171.87	86.04	ND		740.41	65.08	5.09	3.94	66.64	3.44	-24.59	39.42	-1.21	2.02	115.06	36.31	128.08	4.52	3161.71	423.56	353.42	7.01
11-Apr-12	62	19.59	wilder_5420	119	NA	1	1	8	backyard		383.39	13.56	<LOD	30.86	<LOD	68.43	298.9	14.38	<LOD	158.07	<LOD	818.92	<LOD	39.94	<LOD	14.26	15554.11	240.82	43.86	9.62	<LOD	47.65	<LOD	203.48	<LOD	0	191.57	40.43	<LOD	11.13	36.83	2.63	<LOD	108.24	<LOD	4.79	<LOD	105.32	91.3	3.72	1018.6	267	206.27	5.16
11-Apr-12	62	23.3	wilder 5434	119	NA	1	2	2			382	14	<LOD	29	<LOD	72	291	14	<LOD	144	<LOD	406	<LOD	42	<LOD	17	21693	302	33	9	<LOD	57	383	80	<LOD	0	350	48	<LOD	11	41	3	<LOD	115	<LOD	5	<LOD	107	90	4	1686	420	204	5
11-Apr-12	62	19.49	stroh 5444	120	NA	1	1	12			849.96	20.5	1.21	11.87	46.36	22.79	796.08	23.37	136.36	63.33	ND		43.48	15.56	3.25	5.72	27206.1	356.79	84.39	11.33	-170.8	17.38	-98.13	81.73	ND		690.94	60.9	2.85	3.52	28.97	2.43	15.26	36.23	0.57	2.05	105.92	32.89	84.45	3.59	1501.14	319.63	149.78	4.46
11-Apr-12	63	19	wilder_5420	119	NA	1	1	10	backyard		409.74	14.15	<LOD	30.67	<LOD	70.94	227.75	12.77	<LOD	182.65	<LOD	842.34	<LOD	43.95	<LOD	16.05	17790.26	266.19	44.64	9.79	<LOD	48.74	<LOD	217.46	<LOD	0	231.01	43.82	<LOD	11.24	37.6	2.68	<LOD	113.8	<LOD	5.44	<LOD	110.24	102.44	3.94	1106.88	275.82	240.88	5.59
11-Apr-12	63	23.65	wilder 5434	119	NA	1	2	4			327	13	35	10	<LOD	74	249	13	<LOD	132	<LOD	396	<LOD	42	<LOD	16	18572	277	32	9	<LOD	58	378	77	<LOD	0	262	44	<LOD	11	37	3	<LOD	119	<LOD	5	<LOD	109	84	4	2097	428	175	5
11-Apr-12	63	19.89	stroh 5444	120	NA	1	1	20			773.66	20.68	41.49	12.46	39.25	24.91	653.39	22.4	50.37	64.26	ND		44.13	17.54	0.24	5.88	25566.93	362.14	112.16	13.24	-71.27	19.07	144.1	87.07	ND		610.35	62.04	2.64	3.93	59.08	3.33	-77.31	40.01	-1.82	2.05	32.4	36.89	117.03	4.41	2157.46	383.75	306.15	6.6
11-Apr-12	64	19.44	wilder_5420	119	NA	1	1	10	backyard		455.35	14.92	<LOD	33.71	<LOD	69.45	293.3	14.37	<LOD	175.59	<LOD	883.64	<LOD	38.13	<LOD	15.02	18853.35	277.31	48.21	9.74	<LOD	48.21	269.29	77.35	<LOD	0	330.12	47.6	<LOD	11.39	45.74	2.88	<LOD	110.63	<LOD	5.24	<LOD	107.34	100.63	3.91	1581.87	296.62	228.64	5.46
11-Apr-12	64	24.83	wilder 5434	119	NA	1	2	4			466	15	<LOD	31	<LOD	71	316	14	<LOD	140	<LOD	386	<LOD	38	<LOD	15	19820	277	34	9	<LOD	55	494	77	<LOD	0	364	46	<LOD	11	44	3	<LOD	114	<LOD	5	<LOD	103	96	4	2527	426	217	5
11-Apr-12	64	19.33	stroh 5444	120	NA	1	1	20			495.54	15.78	30.14	9.79	58.21	24.39	405.29	17	18.81	58.32	ND		17.6	15.18	-3.83	5.06	21014.95	303.68	47.73	10.16	-31.48	18.65	142.75	77.12	ND		476.48	54.52	4.12	3.88	58.22	3.19	-6.48	40.37	-2.41	1.75	185.14	36.47	115.26	4.24	3220.79	404.28	358.99	6.96
11-Apr-12	65	20.16	wilder_5420	119	NA	1	1	10	backyard		425.84	13.79	<LOD	30.74	<LOD	67.26	301.1	13.93	<LOD	163.82	<LOD	795.49	<LOD	39.12	<LOD	14.86	16678.33	243.45	56.47	9.75	<LOD	46.42	<LOD	207.93	<LOD	0	231.69	41.22	<LOD	10.86	40.56	2.63	<LOD	107.87	<LOD	4.98	<LOD	103.28	105.79	3.82	1375.61	268.45	228.05	5.21
11-Apr-12	65	22.55	wilder 5434	119	NA	1	2	4			376	12	<LOD	27	<LOD	67	277	13	<LOD	127	<LOD	356	<LOD	40	<LOD	14	19747	260	31	9	<LOD	52	440	72	<LOD	0	253	40	<LOD	10	42	2	<LOD	107	<LOD	5	<LOD	98	96	3	1700	375	221	5
11-Apr-12	65	20.41	stroh 5444	120	NA	1	1	20			428.55	15.04	0.88	9.05	51.92	24.73	357.54	16.43	124.77	64.91	ND		33	14.96	-9.7	4.54	19629.68	297.41	69.02	11.32	-84.15	18.91	-91.62	73.72	ND		513.37	57.03	-0.23	3.94	60.22	3.32	98.69	40.24	-3.56	1.62	117.99	36.81	108.33	4.23	2264.92	391.24	356.61	7.13
11-Apr-12	66	22.29	wilder_5420	119	NA	1	1	14	backyard		307.03	13.1	<LOD	29.19	<LOD	74.56	233.41	13.78	<LOD	171.47	<LOD	964.61	<LOD	39.48	<LOD	13.89	16497.59	270.52	43.08	10.29	<LOD	52.32	<LOD	225.36	<LOD	0	308.39	48.77	<LOD	12.08	38.9	2.89	<LOD	119.91	<LOD	5.27	<LOD	115.67	87.85	3.95	<LOD	889.88	224.23	5.77
11-Apr-12	66	24.57	wilder 5434	119	NA	1	2	6			317	12	<LOD	25	<LOD	70	198	11	<LOD	127	<LOD	387	<LOD	37	<LOD	14	17771	248	<LOD	25	<LOD	54	397	70	<LOD	0	330	43	<LOD	10	40	2	<LOD	111	<LOD	5	<LOD	101	102	4	2974	431	223	5
11-Apr-12	66	18.79	stroh 5444	120	NA	1	1	20			727.68	18.94	-5.74	11.03	62.17	23.83	626.1	20.76	170.77	66.33	ND		31.47	16.08	9.42	6.05	24444.28	331.42	96.07	11.88	-69.52	18.05	191.73	81.35	ND		411.31	53.14	-6.67	3.59	41.95	2.77	17.28	38.9	-2.51	1.84	69.9	34.88	96.91	3.84	1701.74	361.05	275.62	5.9
11-Apr-12	67	20.64	wilder_5420	119	NA	1	1	14	backyard		523.22	15.67	<LOD	34.95	<LOD	68.39	323.92	14.75	<LOD	180.88	<LOD	867.19	<LOD	41.51	<LOD	15.37	19167.14	274.31	54.89	9.95	<LOD	47.72	<LOD	224.21	<LOD	0	354.65	47.73	<LOD	11.08	37.98	2.64	<LOD	109.87	<LOD	5.29	<LOD	105.26	80.35	3.49	884.31	272.58	235.09	5.38
11-Apr-12	67	23.29	wilder 5434	119	NA	1	2	6			375	13	<LOD	28	<LOD	73	212	12	<LOD	135	<LOD	438	<LOD	46	<LOD	15	19175	275	<LOD	28	<LOD	57	364	75	<LOD	0	357	47	<LOD	11	45	3	<LOD	116	<LOD	5	<LOD	106	100	4	1982	446	231	5
11-Apr-12	67	20.02	stroh 5444	120	NA	1	1	20			708.99	19	21.11	11.34	41.2	23.51	629	21.15	-7.95	59.19	ND		22.38	15.88	-1.07	5.45	25485.73	348.18	94.79	12	-146.76	17.99	133.24	83.67	ND		507.14	56.57	0.48	3.72	46.95	2.93	69.63	37.55	-0.73	1.96	54.99	33.72	105.05	4.05	2433.05	386.52	263.3	5.88
11-Apr-12	68	19.55	wilder_5420	119	NA	1	1	14	backyard		311.76	11.66	<LOD	26.38	<LOD	66.9	175.99	10.7	<LOD	158.83	<LOD	821.93	<LOD	38.53	<LOD	13.57	18738.03	260.27	30.28	8.46	<LOD	46.44	<LOD	215.64	<LOD	0	300.81	43.7	<LOD	10.65	44.17	2.67	<LOD	108.65	<LOD	4.89	<LOD	104.17	92.85	3.56	2031.06	288.77	255.63	5.41
11-Apr-12	68	22.98	wilder 5434	119	NA	1	2	6			294	11	<LOD	25	<LOD	69	176	11	<LOD	121	<LOD	382	<LOD	38	<LOD	15	16968	242	<LOD	24	<LOD	54	409	69	<LOD	0	230	39	14	3	46	3	<LOD	108	<LOD	5	<LOD	101	108	4	2240	409	234	5
11-Apr-12	68	18.67	stroh 5444	120	NA	1	1	30			1008.45	22.62	44.65	13.28	55.29	23.33	824.99	23.87	-77.5	56.32	ND		28.78	16.08	5	6.07	27846.86	363.12	119.26	12.68	-106.13	17.78	104.94	84.95	ND		584.47	58.19	3.01	3.62	48.84	2.94	21.04	37.55	0.69	2.21	53.19	34.3	108.88	4.02	2023.05	371.67	236.83	5.46
11-Apr-12	69	18.46	wilder_5420	119	NA	1	1	20	backyard		313.65	11.93	<LOD	27.54	<LOD	67.97	266.97	13.23	<LOD	173.54	<LOD	821.27	<LOD	40.89	<LOD	15.2	17907.5	257.26	41.9	9.26	<LOD	47.47	<LOD	210.89	<LOD	0	290.17	44.21	<LOD	10.95	45.51	2.75	<LOD	109.16	<LOD	5.14	<LOD	104.83	95.59	3.68	1455.21	276.65	248.68	5.45
11-Apr-12	69	23.38	wilder 5434	119	NA	1	2	8			375	13	<LOD	28	<LOD	72	248	13	<LOD	143	<LOD	435	<LOD	42	<LOD	14	19013	273	30	9	<LOD	56	505	77	<LOD	0	459	50	<LOD	11	52	3	<LOD	112	<LOD	5	<LOD	103	118	4	2926	468	230	5
11-Apr-12	69	20.22	stroh 5444	120	NA	1	1	30			415.49	14.07	23.53	8.76	64.46	23.79	377.24	16.04	91.57	63.19	ND		40.9	15.66	4.35	5.43	25050.49	337.16	67.92	10.81	-42.03	18.16	-51.28	79.49	ND		655.25	59.93	-5.11	3.73	57.82	3.1	37.66	38.57	-2.16	1.67	177.44	35.06	115.15	4.14	2320.59	381.33	395.93	7.17
11-Apr-12	70	19.93	wilder_5420	119	NA	1	1	20	backyard		395.86	14.47	86.41	11.82	<LOD	72.48	294.92	14.95	221.35	69.27	<LOD	959.87	<LOD	46.43	<LOD	15.36	21658.12	318.27	<LOD	27.96	<LOD	50.82	<LOD	248.15	<LOD	0	377.65	52.77	<LOD	12.16	44.93	2.97	<LOD	114.65	<LOD	6.03	<LOD	112.15	101.51	4.09	1708.17	320.18	278.77	6.24
11-Apr-12	70	23.42	wilder 5434	119	NA	1	2	8			417	15	<LOD	31	<LOD	76	280	14	<LOD	161	<LOD	446	<LOD	46	<LOD	16	23511	330	32	10	<LOD	59	498	87	<LOD	0	367	50	15	4	42	3	<LOD	121	<LOD	6	<LOD	111	103	4	3276	495	241	5
11-Apr-12	70	18.94	stroh 5444	120	NA	1	1	30			1104.22	23.42	60.02	13.73	56.78	22.5	830.06	23.53	101.6	58.94	ND		43.18	14.83	1.42	5.8	22388.23	303.14	115.34	12.27	-121.08	17.33	-65.31	73.39	ND		443.83	51.63	-2.98	3.48	40.34	2.69	26.57	36.2	0.46	2.2	96.82	32.7	84.96	3.56	2465.37	346.94	221.52	5.18
11-Apr-12	71	20.4	wilder_5420	119	NA	1	1	20	backyard		301.81	11.63	33.36	9.13	<LOD	66.51	282.62	13.49	<LOD	157.4	<LOD	791.95	<LOD	40.35	<LOD	13.31	17141.53	248.33	31.22	8.74	<LOD	46.37	<LOD	206.95	<LOD	0	342.49	45.05	<LOD	10.67	44.62	2.71	<LOD	107.39	<LOD	4.62	<LOD	102.5	81.72	3.42	1014.46	258.5	221.46	5.12
11-Apr-12	71	23.34	wilder 5434	119	NA	1	2	8			516	16	<LOD	34	<LOD	73	349	15	<LOD	152	<LOD	394	<LOD	42	<LOD	15	22944	315	34	10	<LOD	56	316	82	<LOD	0	369	49	16	4	45	3	<LOD	115	<LOD	6	<LOD	107	105	4	3369	460	207	5
11-Apr-12	71	19.68	stroh 5444	120	NA	1	1	40			991.51	23.45	67.34	13.99	39.14	24.18	960.45	27.15	129.61	71.35	ND		46.23	18.46	-2	5.97	34671.47	451.16	167.78	14.98	-147.54	18.46	98.5	98.57	ND		532.63	62.16	10.18	3.82	46.66	3.02	75.3	37.81	-0.64	2.23	112.17	34.96	94.46	3.96	978.94	349.01	186.68	5.13
11-Apr-12	72	19.59	wilder_5420	121	NA	1	1	0	backyard		71.1	6.69	<LOD	14.91	<LOD	71.69	60.99	7.46	<LOD	159.51	<LOD	856.74	<LOD	36.02	<LOD	13.47	11957.98	206.99	<LOD	25.22	<LOD	50.16	<LOD	182.25	<LOD	0	850.46	61.55	<LOD	11.56	46.57	2.91	<LOD	118.52	<LOD	4.9	<LOD	112.96	157.36	4.85	1592.77	291.52	264.6	5.97
11-Apr-12	72	24.11	wilder 5434	119	NA	1	2	10			421	13	<LOD	27	<LOD	65	276	12	<LOD	120	<LOD	377	<LOD	37	<LOD	15	18204	240	46	9	<LOD	51	330	67	<LOD	0	239	38	15	3	37	2	<LOD	102	<LOD	5	<LOD	94	100	3	1876	389	239	5
11-Apr-12	72	19.69	stroh 5444	120	NA	1	1	40			1013.48	24.22	23.93	14.02	68.68	25.42	689.93	23.18	90.01	69.1	ND		52.36	17.86	-0.67	6.06	28000.95	389.9	116.66	13.53	-24.27	19.47	23.41	89.98	ND		504.96	60.43	9.73	3.97	52.47	3.23	70.52	40.28	-0.17	2.31	115.33	37.09	119.56	4.48	2440.17	417.96	255.12	6.06
11-Apr-12	73	53.85																																																						
11-Apr-12	73	22.93	wilder 5434	119	NA	1	2	10			442	14	<LOD	30	<LOD	71	272	13	<LOD	135	<LOD	419	<LOD	42	<LOD	15	20337	280	45	10	<LOD	56	429	76	<LOD	0	388	47	12	4	46	3	<LOD	115	<LOD	5	<LOD	106	109	4	2001	433	241	5
11-Apr-12	73	54.35																																																							
11-Apr-12	74	19.12	wilder_5420	121	NA	1	1	0	backyard		183.28	8.87	<LOD	20.45	<LOD	66.23	120.87	8.85	<LOD	147.95	<LOD	817.35	<LOD	33.88	<LOD	13.7	10403.71	171.86	<LOD	22.93	<LOD	45.44	<LOD	149.52	<LOD	0	570.23	48.12	<LOD	10.69	45.22	2.62	<LOD	107.83	<LOD	4.42	<LOD	102.66	104.39	3.65	1427.79	267.9	352.36	6.24
11-Apr-12	74	22.98	wilder 5434	119	NA	1	2	10			472	15	<LOD	31	<LOD	70	304	14	<LOD	131	<LOD	424	<LOD	41	<LOD	15	22655	303	42	10	<LOD	55	328	79	<LOD	0	471	50	<LOD	10	43	3	<LOD	113	<LOD	5	<LOD	104	119	4	3086	464	243	5
11-Apr-12	74	18.28	stroh 5444	108	NA	1	1	0			247.5	10.5	6.94	6.5	51.66	23.1	143.97	9.81	15.62	49.14	ND		3.1	11.67	-0.87	4.56	12154.77	194.8	23.54	8.16	23.2	17.59	66.97	55.42	ND		648.66	52.93	3.4	3.66	50.38	2.79	44.92	37.75	4.01	1.82	152.44	34.46	109.5	3.87	1775.62	318.57	414.16	7.05
11-Apr-12	75	19.68	wilder_5420	121	NA	1	1	0	backyard		99.33	7.2	<LOD	16.7	<LOD	69.69	93.13	8.31	<LOD	169.63	<LOD	910.63	<LOD	38.81	<LOD	14.35	12869.32	205.94	<LOD	22.7	<LOD	48.24	<LOD	177.76	<LOD	0	407.79	46.4	<LOD	11.07	59.13	3.04	<LOD	115.32	<LOD	4.7	<LOD	110.27	120.78	4.08	1563.03	295.25	328.8	6.3
11-Apr-12	75	23.18	wilder 5434	108	NA	3	1	30			101	8	<LOD	17	<LOD	74	112	9	<LOD	137	<LOD	457	<LOD	44	<LOD	16	19068	275	<LOD	25	<LOD	57	306	75	<LOD	0	481	51	<LOD	11	57	3	<LOD	118	<LOD	5	<LOD	109	101	4	2889	484	311	6
11-Apr-12	75	19.35	stroh 5444	108	NA	1	1	0			226.2	9.84	-0.97	5.99	37.02	21.84	130.14	9.21	155.46	55.04	ND		35.29	13.05	-3.26	4.16	14429.66	214.75	24.61	8.03	-84.39	16.78	52.62	58.59	ND		482.12	48.11	1.08	3.47	35.52	2.4	23.43	35.53	-1.89	1.36	72.14	32.24	82.65	3.36	1497.91	295.72	304.59	5.84
11-Apr-12	76	17.41	wilder_5420	121	NA	1	1	2	backyard		159.53	7.78	<LOD	17.52	<LOD	60.94	106.93	7.82	<LOD	130.48	<LOD	666.26	<LOD	32.96	<LOD	11.41	9592.41	152.09	<LOD	20.54	<LOD	41.87	<LOD	138.44	<LOD	0	427.44	40.27	<LOD	9.57	39.92	2.32	<LOD	98.5	<LOD	4.36	<LOD	93.8	98.6	3.31	1057.59	222.4	244.9	4.82
11-Apr-12	76	44.16																																																						
11-Apr-12	76	18.74	stroh 5444	108	NA	1	1	0			248.33	10.31	12.95	6.48	49.09	22.23	573.29	18.61	27.18	48.28	ND		6.92	11.58	-5.64	4.32	11072.87	180.44	21.14	7.94	-78.67	16.83	110.39	52.92	ND		562.63	49.32	-0.83	3.48	37.23	2.44	51.22	36.27	1.23	1.6	44.19	32.29	77.02	3.27	1620.53	311.17	335.1	6.14
11-Apr-12	77	19.35	wilder_5420	121	NA	1	1	2	backyard		165.08	9.37	<LOD	21.17	<LOD	73.38	92.53	8.77	<LOD	179.71	<LOD	855.12	<LOD	38.66	<LOD	13.18	10474.92	191.08	<LOD	24.5	<LOD	50.76	<LOD	166.99	<LOD	0	556.35	53.04	<LOD	11.73	47.74	2.95	<LOD	120.68	<LOD	4.56	<LOD	114.62	87.55	3.75	1661.3	293.57	346.38	6.83
11-Apr-12	77	23.92	wilder 5434	108	NA	3	1	30			107	8	<LOD	19	<LOD	79	123	10	<LOD	157	<LOD	472	<LOD	41	<LOD	17	17407	279	<LOD	25	<LOD	62	<LOD	225	<LOD	0	413	52	<LOD	12	52	3	<LOD	127	<LOD	5	<LOD	117	91	4	2770	504	232	6
11-Apr-12	77	18.35	stroh 5444	108	NA	1	1	6			155.13	8.15	3.38	5.05	25.46	21.59	104.55	8.26	43.07	45.55	ND		6.3	10.3	3.84	4.55	9613.09	161.83	30.42	8.01	-48.29	16.61	-22.98	46.68	ND		417.85	43.2	4.05	3.48	39.55	2.45	-13.59	35.5	-1.73	1.3	35.22	31.87	89.19	3.41	2060.75	297.36	357.95	6.26
11-Apr-12	78	19.56	wilder_5420	121	NA	1	1	2	backyard		36.94	5.42	<LOD	11.71	<LOD	72.32	62.62	7.49	<LOD	150.33	<LOD	897.61	<LOD	39.27	<LOD	13.1	11266.21	198.18	<LOD	23.64	<LOD	50.24	<LOD	174.3	<LOD	0	216.69	40.18	<LOD	11.2	53.4	3.06	<LOD	118.74	<LOD	4.4	<LOD	114.09	151.71	4.76	1086.01	285.15	280.67	6.13
11-Apr-12	78	23.55	wilder 5434	108	NA	3	1	30			116	8	<LOD	18	<LOD	78	115	10	<LOD	148	<LOD	474	<LOD	44	<LOD	18	18844	288	<LOD	26	<LOD	61	338	79	<LOD	0	539	55	<LOD	12	64	3	<LOD	126	<LOD	5	<LOD	115	93	4	4476	546	351	7
11-Apr-12	78	19.35	stroh 5444	108	NA	1	1	6			160.04	8.34	23.06	5.52	33.8	21.58	119.84	8.79	82.85	48.42	ND		-10.18	9.41	-1.79	4.18	8536.37	151.74	23.5	7.62	-122.47	16.43	36.5	45.45	ND		418.22	43.43	-0.24	3.4	33.76	2.33	33.52	34.91	-0.04	1.41	45.57	31.2	65.76	3.03	836.92	272.97	280.58	5.54
11-Apr-12	79	19.24	wilder_5420	121	NA	1	1	6	backyard		231.01	10.01	<LOD	22.96	<LOD	67.99	122.46	9.04	<LOD	141.54	<LOD	775.54	<LOD	34.37	<LOD	13.44	10550.05	176.18	<LOD	22.86	<LOD	46.13	<LOD	151.3	<LOD	0	642.74	50.76	<LOD	10.74	43.05	2.61	<LOD	110.24	<LOD	4.48	<LOD	104.98	95.26	3.57	1763.39	270.35	328.97	6.1
11-Apr-12	79	22.44	wilder 5434	121	NA	3	1	30			219	9	<LOD	19	<LOD	60	196	10	<LOD	88	<LOD	257	<LOD	25	<LOD	12	6393	114	<LOD	19	<LOD	46	<LOD	108	<LOD	0	224	30	<LOD	9	28	2	<LOD	93	<LOD	4	<LOD	85	62	3	2038	301	162	4
11-Apr-12	79	18.64	stroh 5444	108	NA	1	1	6			256.54	10.4	17.39	6.6	22.02	22	159.85	10.04	4.57	47.66	ND		28.04	11.8	5.21	4.83	12399	193.84	35	8.43	-87.53	16.68	-74.69	52.62	ND		1523.37	72.42	3.78	3.49	45.58	2.62	6.97	35.29	-2.37	1.37	127.08	32.02	82.7	3.35	1505.78	302.12	322.7	5.99
11-Apr-12	80	19.25	wilder_5420	121	NA	1	1	6	backyard		222.11	10.21	<LOD	23.14	<LOD	68.07	130.51	9.65	<LOD	142.75	<LOD	829.78	<LOD	32.55	<LOD	12.09	9791.53	174.48	<LOD	24.73	<LOD	46.78	<LOD	160.51	<LOD	0	368.68	43.63	<LOD	11.06	37.34	2.57	<LOD	107.72	<LOD	4.72	<LOD	105.05	89.53	3.61	1100.18	267.28	292.03	5.95
11-Apr-12	80	22.81	wilder 5434	121	NA	3	1	30			216	9	<LOD	20	<LOD	64	146	9	<LOD	90	<LOD	314	<LOD	28	<LOD	13	6992	128	<LOD	20	<LOD	49	<LOD	122	<LOD	0	196	31	13	3	35	2	<LOD	99	<LOD	4	<LOD	91	63	3	1193	320	191	4
11-Apr-12	80	19.97	stroh 5444	108	NA	1	2	0			86.93	6.88	8.81	4.42	49.94	23.33	108.77	8.99	36.15	52.9	ND		19.79	12.43	-6.53	4.01	13294.2	214.58	22	8.27	-58.37	17.87	-23.59	58.31	ND		581.22	53.18	-2.99	3.59	57.54	3.04	3.94	37.8	-4.24	1.09	154.1	34.51	102.38	3.88	1271.23	326.3	271.32	5.83
11-Apr-12	81	19.29	wilder_5420	121	NA	1	1	6	backyard		101.47	7.1	<LOD	16.39	<LOD	68.66	60.83	6.96	<LOD	165.79	<LOD	862.71	38.61	12.38	<LOD	13.91	9776.46	169.44	<LOD	23.39	<LOD	47.22	<LOD	151.88	<LOD	0	437.19	45.38	<LOD	11.03	50.74	2.8	<LOD	112.49	<LOD	4.38	<LOD	107.4	97.22	3.63	1546.16	282.31	378.76	6.65
11-Apr-12	81	22.72	wilder 5434	121	NA	3	1	30			255	10	<LOD	20	<LOD	61	153	9	<LOD	96	<LOD	285	<LOD	28	<LOD	12	6470	119	<LOD	20	<LOD	47	119	39	<LOD	0	240	32	<LOD	9	27	2	<LOD	94	<LOD	4	<LOD	87	62	3	1271	299	178	4
11-Apr-12	81	18.17	stroh 5444	108	NA	1	2	0			204.62	9.32	8.49	5.83	33.21	22.34	129.93	9.12	79.57	50.23	ND		7.7	10.85	6.46	4.84	11242.22	180.13	26.95	7.97	-41.18	16.79	-13.45	50.76	ND		628.47	50.7	3.97	3.5	47.97	2.66	9.8	35.51	0.19	1.49	88.71	32.26	93.16	3.5	2120.71	321.62	348.25	6.21
11-Apr-12	82	19.28	wilder_5420	121	NA	1	2	0	backyard		84.23	7.37	<LOD	17.59	<LOD	76.76	88.1	8.85	<LOD	165.11	<LOD	959.02	<LOD	40.17	<LOD	12.11	15022.12	248.02	<LOD	27.35	<LOD	52.82	<LOD	199.44	<LOD	0	493.61	53.58	<LOD	12.28	63.2	3.4	<LOD	126.05	<LOD	5.05	<LOD	120.31	169.82	5.21	2714.99	344.86	402.37	7.69
11-Apr-12	82	48.93																																																						
11-Apr-12	82	18.92	stroh 5444	108	NA	1	2	0			248.38	10.23	12.02	6.42	32.61	21.51	134.66	9.3	-50.5	43.21	ND		-5.58	11.17	-1.76	4.29	12566.6	194.6	34.63	8.32	-84.48	16.65	127.97	55.72	ND		748.52	54.05	-4.78	3.44	48.02	2.67	14.17	34.66	-0.42	1.49	117.71	31.68	92.27	3.5	2691.06	328.3	353.4	6.29
11-Apr-12	83	20.53	wilder_5420	121	NA	1	2	0	backyard		150.12	9.1	<LOD	21.08	<LOD	74.99	108.91	9.49	<LOD	184.36	<LOD	997.41	<LOD	43.38	<LOD	15.12	16843.44	264.43	<LOD	27.05	<LOD	51.98	<LOD	210.63	<LOD	0	1637.86	83.57	<LOD	12.41	60.71	3.29	<LOD	123.26	<LOD	4.66	<LOD	118.02	123.05	4.4	2238.41	337.72	452.46	8.05
11-Apr-12	83	24.46	wilder 5434	121	5861	3	2	30			59	6	63	6	98	25	148	13	778	74	<LOD	372	974	39	<LOD	16	14139	219	2484	50	71	19	261	64	<LOD	0	168	41	<LOD	10	25	2	<LOD	119	7	2	<LOD	109	115	4	<LOD	1050	58	3
11-Apr-12	83	19.72	stroh 5444	108	NA	1	2	0			135.21	8.06	6.04	5.06	52.54	22.51	181.3	10.96	122.15	53.75	ND		-14.51	10.88	-0.57	4.46	11675.48	192.33	29.64	8.32	-95.87	17.25	150.35	56.2	ND		324.19	43.25	9.81	3.6	51.68	2.85	15.79	36.34	-1.71	1.32	81.43	33.36	97.05	3.71	1632.62	310.78	242.22	5.38
11-Apr-12	84	19.2	wilder_5420	121	NA	1	2	0	backyard		63.1	6.85	<LOD	15.62	<LOD	78.74	90.01	9.15	<LOD	200.03	<LOD	1041.5	51.67	15.66	<LOD	15.33	15558.27	260.67	<LOD	26.46	<LOD	54.7	<LOD	213.72	<LOD	0	280.91	48.47	<LOD	13.76	63.32	3.51	<LOD	130.03	<LOD	4.89	<LOD	125.56	193.12	5.71	2559.1	359.75	677.88	10.88
11-Apr-12	84	23.96	wilder 5434	121	NA	3	2	30			208	11	<LOD	23	<LOD	74	207	12	<LOD	124	<LOD	388	<LOD	36	<LOD	14	9201	177	<LOD	26	<LOD	58	<LOD	165	<LOD	0	237	40	<LOD	11	42	3	<LOD	116	<LOD	5	<LOD	108	75	4	2122	420	210	5
11-Apr-12	84	19.42	stroh 5444	108	NA	1	2	6			133.93	8.39	20.23	5.54	39.68	24.19	123.71	9.66	54.82	56.63	ND		34.32	14.42	11.23	5.57	15719.94	242.9	27.67	8.88	33.69	18.55	91.25	65.6	ND		546.07	53.83	4.18	3.78	74.63	3.44	-55.44	39.61	2.09	1.71	79.87	36	125.76	4.32	2713.64	385.57	342.73	6.67
11-Apr-12	85	21.32	wilder_5420	121	NA	1	2	4	backyard		140.63	9.08	<LOD	20.61	<LOD	76.96	144.95	10.98	<LOD	180.05	<LOD	924.79	<LOD	42.42	<LOD	14.47	14482.85	244.72	<LOD	27.89	<LOD	53.53	<LOD	198.72	<LOD	0	440	52.37	<LOD	12.14	54.59	3.24	<LOD	125.83	<LOD	4.44	<LOD	121.56	155.33	5.04	1270.74	301.68	279.12	6.4
11-Apr-12	85	23.55	wilder 5434	121	NA	3	2	30			310	13	<LOD	26	<LOD	74	284	14	<LOD	136	<LOD	412	<LOD	37	<LOD	15	11882	205	<LOD	27	<LOD	58	200	61	<LOD	0	191	39	12	4	47	3	<LOD	118	<LOD	5	<LOD	110	87	4	2415	443	238	5
11-Apr-12	85	19.87	stroh 5444	123	NA	3	1	30			124.24	7.67	6.62	4.83	1.88	22.02	152.74	10.01	72.8	49.59	ND		1.68	10.92	-7.55	3.77	10602.04	178.19	31.2	8.28	-112.5	16.92	65.65	51.87	ND		208.06	37.69	2.35	3.5	48.93	2.74	11.24	35.15	-0.66	1.36	75.06	31.93	86.36	3.48	2018.65	317.06	266.49	5.55
11-Apr-12	86	19.82	wilder_5420	121	NA	1	2	4	backyard		102.44	8.19	<LOD	18.8	<LOD	79.58	87.6	9.15	<LOD	207.08	<LOD	1044.86	<LOD	47.35	<LOD	14.65	15150.72	258.18	<LOD	28.25	94.13	18.63	<LOD	218.9	<LOD	0	444.53	54.73	<LOD	12.66	58.18	3.41	<LOD	132.15	<LOD	4.49	<LOD	127.44	185.05	5.63	2018.37	348.36	396.47	7.9
11-Apr-12	86	22.93	wilder 5434	121	NA	3	2	30			324	12	<LOD	25	<LOD	67	416	15	<LOD	113	<LOD	349	<LOD	37	<LOD	15	12636	193	26	8	<LOD	52	256	58	<LOD	0	282	38	10	3	55	3	<LOD	106	<LOD	5	<LOD	98	90	3	3924	426	255	5
11-Apr-12	86	0.76	stroh 5444	123	NA	3	1	30			172.99	52.59	7.56	32.83	56.97	139.25	184.27	63.55	-14.9	260.11	ND		-49.16	48.05	10.67	31.28	10930.54	1067.04	-60.27	3.29	79.85	104.97	61.39	308.83	ND		403.47	261.37	68.15	24.58	35.82	14.42	-66.35	221.26	9.52	12.07	-36.21	209.9	132.96	24.79	3419.39	2020.89	327.18	36.48
11-Apr-12	87	19.73	wilder_5420	121	NA	1	2	4	backyard		129.21	8.69	21.83	6.97	<LOD	74.44	134.28	10.54	<LOD	183.66	<LOD	908.44	<LOD	43.15	<LOD	15.73	15995.58	259.48	<LOD	27.75	<LOD	52.56	<LOD	212.36	<LOD	0	674.52	60.06	<LOD	11.66	55.47	3.23	<LOD	121.56	<LOD	4.28	<LOD	118.38	163.46	5.12	1086.44	292.68	223.96	5.73
11-Apr-12	87	21.77	wilder 5434	121	NA	3	3	30			286	10	<LOD	21	62	20	270	11	<LOD	100	<LOD	302	<LOD	31	<LOD	13	10502	153	24	7	<LOD	47	217	48	<LOD	0	256	33	15	3	41	2	<LOD	96	<LOD	4	<LOD	87	83	3	2286	336	235	4
11-Apr-12	87	19.81	stroh 5444	123	NA	3	1	30			140.66	8.47	10.73	5.4	69.28	23.53	145.87	10.27	75.36	54.24	ND		-0.48	12.08	7.01	5.22	12389.11	205.62	24.86	8.52	-11.55	18.2	100.46	58.68	ND		266.21	42.78	3.15	3.76	59.78	3.11	-42.89	38.46	0.31	1.57	112.97	35.02	113.31	4.09	2919.89	373.34	358.55	6.79
11-Apr-12	88	19.32	wilder_5420	121	NA	2			backyard		202.95	9.92	<LOD	22.95	<LOD	69.52	138.05	10	<LOD	142.43	<LOD	712.82	<LOD	32.08	<LOD	12.97	7482.69	149.79	<LOD	24.46	<LOD	48.02	<LOD	139.31	<LOD	0	301.01	40.46	<LOD	10.92	34.85	2.54	<LOD	112.7	<LOD	5.1	<LOD	106.83	71.45	3.33	1536.42	258.75	264.14	5.71
11-Apr-12	88	22.82	wilder 5434	121	NA	3	3	30			224	9	<LOD	21	<LOD	63	255	12	<LOD	114	<LOD	299	<LOD	27	<LOD	11	8676	145	<LOD	22	<LOD	49	178	46	<LOD	0	201	33	<LOD	9	32	2	<LOD	97	<LOD	4	<LOD	90	71	3	2513	349	182	4
11-Apr-12	88	19.33	stroh 5444	123	NA	3	1	30			110.04	7.31	17.32	4.83	60.11	22.37	133.69	9.43	1.63	45.47	ND		5.59	11.11	3.84	4.7	10281.34	174.03	24.34	7.98	-64.21	17.09	64.92	51.01	ND		197.49	36.79	-0.88	3.49	49.61	2.75	-8.93	36.49	2.05	1.56	136.28	33.17	99.47	3.68	2653.15	335.68	296.19	5.85
11-Apr-12	89	19.05	wilder_5420	121	NA	2			backyard		246.5	9.84	<LOD	22.97	<LOD	62.9	261.92	12.13	<LOD	126.7	<LOD	739.31	<LOD	32.17	<LOD	12.02	9345.36	155.79	<LOD	22.23	<LOD	43.07	<LOD	144.98	<LOD	0	382.05	40.3	<LOD	9.86	33.2	2.26	<LOD	100.19	<LOD	4.04	<LOD	95.11	69.94	2.99	<LOD	683.98	230.21	4.85
11-Apr-12	89	21.82	wilder 5434	121	NA	3	3	30			231	9	<LOD	18	<LOD	57	248	10	<LOD	84	<LOD	272	<LOD	28	<LOD	12	7938	125	<LOD	19	<LOD	44	151	40	<LOD	0	240	30	<LOD	8	34	2	<LOD	90	<LOD	4	<LOD	82	73	3	2096	307	199	4
11-Apr-12	89	19.24	stroh 5444	123	NA	3	2	30			228.12	10.34	6.71	6.42	19.01	23.36	221.09	12.21	-51.65	48.37	ND		24.6	13.23	6.27	5.21	12713	205.98	37	9.1	6.72	18.02	92.88	58.43	ND		335.87	44.63	6.73	3.77	61.81	3.12	-25.91	37.98	-2.74	1.41	68.95	34.44	114.95	4.06	2192.63	362.93	386.73	6.98
11-Apr-12	90	20.7	wilder_5420	123	NA	1	2	0	backyard		240.58	10.78	<LOD	24.75	<LOD	70.84	288.58	14.04	<LOD	168.9	<LOD	874.01	39.81	13.17	<LOD	13.75	11611.88	197.75	<LOD	26.1	<LOD	48.69	<LOD	170.53	<LOD	0	582.06	52.51	<LOD	11.3	49.29	2.91	<LOD	113.52	<LOD	4.83	<LOD	109.86	99.42	3.84	1681.33	293.62	336.64	6.53
11-Apr-12	90	23.02	wilder 5434	121	NA	3	4	30			352	10	<LOD	21	<LOD	53	223	9	<LOD	86	<LOD	246	<LOD	24	<LOD	11	7147	111	<LOD	18	<LOD	42	154	36	<LOD	0	176	26	<LOD	8	30	2	<LOD	83	<LOD	4	<LOD	77	62	2	1614	271	173	3
11-Apr-12	90	20.36	stroh 5444	123	NA	3	2	30			214.01	10.35	5.62	6.42	-4.1	23.44	228.11	12.73	85.7	55.65	ND		8.58	12.73	2.75	5.05	12925.51	214.81	23.43	8.62	-39.6	18.33	87.71	60.48	ND		429.07	49.39	6.98	3.83	56.61	3.09	-12.05	38.03	-0.11	1.6	58.81	34.76	104.98	4.02	2780.09	371.87	328.02	6.56
11-Apr-12	91	19.16	wilder_5420	123	NA	1	2	0	backyard		275.79	11.88	<LOD	27.2	<LOD	73.32	421.18	17.47	<LOD	189.23	<LOD	966.3	<LOD	41.73	<LOD	16.53	13601.99	226.91	39.2	9.76	<LOD	51.24	<LOD	195.04	<LOD	0	1072.06	69.02	<LOD	11.89	54.8	3.14	<LOD	118.75	<LOD	4.79	<LOD	113.68	118.87	4.3	1917.05	321.95	381.11	7.24
11-Apr-12	91	22.49	wilder 5434	121	NA	3	4	30			288	10	<LOD	22	<LOD	61	193	10	<LOD	94	<LOD	300	<LOD	27	<LOD	11	7043	124	<LOD	20	<LOD	47	156	41	<LOD	0	252	32	<LOD	9	32	2	<LOD	97	<LOD	4	<LOD	89	65	3	2037	331	199	4
11-Apr-12	91	19.3	stroh 5444	123	NA	3	2	30			224.81	11.04	6.65	6.86	16.2	24.87	249.2	13.84	79.13	57.95	ND		-6.31	12.38	-1.39	4.99	12567.59	219.84	21.82	8.89	-22.19	19.23	79.02	62.17	ND		271.48	45.66	-0.5	3.94	57.5	3.25	-7.91	39.71	-1.1	1.62	110.69	36.33	112.47	4.32	2283.84	376.32	344.53	7.04
11-Apr-12	92	53.89																																																						
11-Apr-12	92	22.84	wilder 5434	121	NA	3	4	30			272	10	<LOD	22	<LOD	62	210	11	<LOD	89	<LOD	303	<LOD	28	<LOD	12	7895	136	<LOD	20	<LOD	48	<LOD	129	<LOD	0	241	33	<LOD	9	35	2	<LOD	97	<LOD	4	<LOD	90	60	3	2157	340	188	4
11-Apr-12	92	54.39																																																						
11-Apr-12	93	20.71	wilder_5420		2586						437.17	16.23	<LOD	35.09	<LOD	81.63	354.37	17.48	407.71	95.47	<LOD	1386.61	105.1	23.39	<LOD	20.08	50351.27	652.48	80.55	12.88	<LOD	57.01	<LOD	392.56	<LOD	0	710.29	77.1	<LOD	12.59	49.78	3.32	<LOD	133.43	<LOD	6.32	<LOD	127.97	83.31	4.03	4300.29	477.99	254.14	6.34
11-Apr-12	93	23.07	wilder 5434	123	NA	3	3	30			123	8	<LOD	17	<LOD	71	147	10	<LOD	108	<LOD	364	<LOD	35	<LOD	13	8747	158	<LOD	25	<LOD	55	209	51	<LOD	0	246	37	<LOD	10	41	2	<LOD	114	<LOD	4	<LOD	105	81	3	3264	424	283	6
11-Apr-12	93	20.26	stroh 5444		NIST 2586			3			408.03	15.51	17.27	9.57	-20.28	26.32	313.45	16.32	326.43	91.44	ND		11.47	20.79	-0.34	5.61	45295.05	597.81	75.6	12.43	-43.19	20.37	366.33	121.79	ND		603.64	72.51	5.59	4.08	47.43	3.19	85.76	42.99	-1.88	1.84	110.83	39.54	74.42	3.82	4978.87	553.13	217.17	5.82
11-Apr-12	94	18.47	wilder_5420	109	NA	1	1	0			245.69	10.67	<LOD	24.37	<LOD	69.28	179.62	11.1	<LOD	144.48	<LOD	840.48	<LOD	33.65	<LOD	13.74	11558.85	193.54	36.1	8.94	<LOD	47.77	<LOD	173.5	<LOD	0	595.22	51.59	<LOD	11.32	50.28	2.87	<LOD	111.71	<LOD	4.32	<LOD	107.07	97.45	3.74	1320.38	275.61	376.7	6.81
11-Apr-12	94	22.69	wilder 5434	123	NA	3	3	30			130	8	<LOD	17	<LOD	67	170	10	<LOD	114	<LOD	355	<LOD	32	<LOD	12	9583	159	30	8	<LOD	52	220	50	<LOD	0	276	37	<LOD	10	42	2	<LOD	107	<LOD	4	<LOD	99	85	3	2042	376	255	5

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
11-Apr-12	94	18.52	stroh 5444	109	NA	3	4	30			400.63	13.07	-3.89	7.83	69.07	22.55	304.4	13.63	84.13	50.22	ND		2.98	11.3	5.08	5.04	11453.37	184.71	43.02	8.85	-43.17	17.04	90.04	53.47	ND		249.3	39.37	-1.5	3.43	51.02	2.78	-29.97	36.35	0.36	1.65	14.89	32.98	97.7	3.63	2602.71	328.9	285.9	5.68
11-Apr-12	95	18.79	wilder_5420	109	NA	1	1	0			244.26	10.07	<LOD	22.93	<LOD	65.64	169.35	10.22	<LOD	143.11	<LOD	765.85	<LOD	31.84	<LOD	14.36	11016.19	177.44	27.93	8.12	<LOD	45.18	<LOD	157.3	<LOD	0	458.27	44.62	<LOD	10.61	43.41	2.57	<LOD	106.03	<LOD	4.09	<LOD	101.78	86.5	3.36	2001.6	271.94	361.21	6.28
11-Apr-12	95	23.01	wilder 5434	123	NA	3	3	30			114	8	<LOD	16	<LOD	70	125	9	<LOD	130	<LOD	364	<LOD	37	<LOD	14	10770	180	33	9	<LOD	55	<LOD	156	<LOD	0	586	50	<LOD	11	37	2	<LOD	114	<LOD	5	<LOD	106	118	4	3334	426	281	5
11-Apr-12	95	18.74	stroh 5444	109	NA	3	4	30			223.59	9.47	0.07	5.79	-11.98	20.98	199.3	10.74	56.68	44.96	ND		1.74	9.93	2.2	4.42	8173.48	143.89	32.82	7.9	-120.49	16.03	74.74	44.12	ND		116.93	31.09	1.01	3.28	38.72	2.39	53	33.63	-0.67	1.37	42.67	30.56	77.64	3.16	1550.23	283.67	238.33	5
11-Apr-12	96	19.72	wilder_5420	109	NA	1	1	0			290.63	11.39	<LOD	25.49	<LOD	68.81	186.12	11.08	<LOD	143.03	<LOD	864.78	<LOD	37.9	<LOD	14.17	12313.83	198.44	<LOD	24.61	<LOD	46.98	<LOD	172.27	<LOD	0	438.23	46.25	<LOD	11.22	40.63	2.62	<LOD	110.96	<LOD	4.49	<LOD	106.47	90.95	3.57	1493.16	283.33	354.78	6.48
11-Apr-12	96	22.98	wilder 5434	123	NA	1	1	0			269	11	<LOD	23	<LOD	69	320	14	<LOD	120	<LOD	379	<LOD	33	<LOD	14	10756	177	<LOD	25	<LOD	53	<LOD	160	<LOD	0	345	41	<LOD	10	36	2	<LOD	109	<LOD	5	<LOD	101	96	4	3018	423	288	5
11-Apr-12	96	18.59	stroh 5444	109	NA	3	4	30			220.92	9.11	6.08	5.65	12.19	20.04	134.28	8.69	32.36	40.81	ND		-1.07	9.37	-8.19	3.43	6757.25	124.03	26.84	7.27	-149.97	15.33	136.47	40.32	ND		124.41	29.37	3.05	3.14	34.57	2.22	2.9	32.13	0.83	1.39	28.94	29.28	70.98	2.94	1263.78	257.12	194.91	4.4
11-Apr-12	97	18.81	wilder_5420	109	NA	1	1	4			280.84	11.15	<LOD	24.93	<LOD	66.71	165.22	10.47	<LOD	145.22	<LOD	730.02	<LOD	29.26	<LOD	10.1	9347.76	166.07	<LOD	24.27	<LOD	46.18	<LOD	152.07	<LOD	0	378.27	42.92	<LOD	10.63	36.11	2.49	<LOD	107.03	<LOD	4.17	<LOD	102.87	75.79	3.3	1161.91	247.64	304.07	5.94
11-Apr-12	97	22.85	wilder 5434	123	NA	1	1	0			204	9	<LOD	20	<LOD	66	230	11	<LOD	118	<LOD	342	<LOD	31	<LOD	13	8954	153	<LOD	24	<LOD	51	164	48	<LOD	0	359	40	<LOD	10	37	2	<LOD	106	<LOD	4	<LOD	96	86	3	1388	349	264	5
11-Apr-12	97	18.47	stroh 5444	109	NA	3	3	30			337.11	12.17	1.3	7.38	44.14	22.82	373.05	15.26	79.73	53.28	ND		13.71	13.14	0.11	4.78	15239.52	226.52	46.87	9.27	-36.4	17.33	177.32	62.85	ND		318.23	43.99	0.31	3.53	60.77	3.02	7.99	37.43	1.56	1.72	-22.03	33.51	104.75	3.79	3059.08	357	317.34	6.09
11-Apr-12	98	19.18	wilder_5420	109	NA	1	1	4			299.99	11.73	<LOD	25.6	<LOD	67.34	204.25	11.74	<LOD	158.45	<LOD	851.71	<LOD	32.75	<LOD	14.53	10599.35	182.9	27.48	8.58	<LOD	46.61	<LOD	160.61	<LOD	0	377.93	44.5	<LOD	11.02	40.09	2.64	<LOD	107.29	<LOD	4.74	<LOD	104.16	75.86	3.36	1122.97	272.26	280.77	5.81
11-Apr-12	98	24.28	wilder 5434	123	NA	1	1	0			270	11	<LOD	23	<LOD	67	403	15	<LOD	126	<LOD	370	<LOD	35	<LOD	13	11583	180	<LOD	23	<LOD	52	236	55	<LOD	0	755	52	<LOD	10	35	2	<LOD	106	<LOD	4	<LOD	97	101	4	2642	403	273	5
11-Apr-12	98	3.82	stroh 5444	109	NA	3	3	30			211.44	20.16	26.74	13.26	8.54	47.15	247.68	26.04	185.45	113.22	ND		14.05	24.64	-6.06	8.55	9633.58	349.34	38.67	18.08	-43.72	35.83	148.4	106.48	ND		380.23	91.57	3.81	7.26	36.92	5.15	-81.3	76.53	-4	2.5	-22.48	69.73	91.06	7.4	1919.67	627.37	250.99	11.23
11-Apr-12	99	19.68	wilder_5420	109	NA	1	1	4			360.11	12.19	<LOD	27.59	<LOD	64.5	238.53	11.97	<LOD	127.21	<LOD	751.47	<LOD	33.89	<LOD	12.31	12188.05	189.89	33.13	8.39	<LOD	44.46	<LOD	167.63	<LOD	0	468.94	45.11	<LOD	10.61	40.6	2.52	<LOD	101.11	<LOD	4.87	<LOD	97.74	81.93	3.29	1727.73	262.97	318.44	5.89
11-Apr-12	99	24.4	wilder 5434	123	NA	1	2	0			229	10	<LOD	20	<LOD	67	122	9	<LOD	121	<LOD	347	<LOD	30	<LOD	13	10384	168	<LOD	24	<LOD	52	<LOD	149	<LOD	0	477	44	<LOD	10	45	2	<LOD	108	<LOD	4	<LOD	99	97	3	2986	399	316	6
11-Apr-12	99	19.09	stroh 5444	109	NA	3	3	30			285.41	11.81	14.49	7.4	56.92	24.04	344.37	15.46	80.31	58.62	ND		-3.95	13.78	5.96	5.47	19600.21	284.31	47.93	9.9	22	18.58	149.65	73.67	ND		223.11	44.81	-1.09	3.79	65.89	3.29	49.32	39.64	-1.4	1.62	115.67	35.84	135.95	4.5	3227.24	384.67	380.46	7.1
11-Apr-12	100	18.31	wilder_5420	109	NA	1	1	6			410.79	13.39	<LOD	30.08	<LOD	66.38	267.91	13.03	<LOD	144.12	<LOD	779.89	<LOD	32.41	<LOD	12.5	11880.01	192.31	43.88	9.07	<LOD	45.8	<LOD	170.31	<LOD	0	426.78	45.28	<LOD	10.87	36.05	2.49	<LOD	105.61	<LOD	4.55	<LOD	102.25	75.42	3.28	1425.66	264.28	292.73	5.8
11-Apr-12	100	48.87																																																				
11-Apr-12	100	18.03	stroh 5444	111	NA	1	2	0			264.11	10.09	16.22	6.38	14.48	20.89	224.14	11.18	74.21	46.27	ND		-3.53	9.78	-1.09	4.22	9232.54	153.26	29.22	7.66	-110.98	15.84	70.09	45.87	ND		574.22	46.61	4.96	3.3	40.07	2.39	58.99	33.56	-2.98	1.24	49.05	30.38	81.37	3.18	1390.73	275.51	269.23	5.23
11-Apr-12	101	19.93	wilder_5420	109	NA	1	1	6			241.17	9.84	<LOD	22.24	<LOD	61.68	163.23	9.87	<LOD	127.1	<LOD	606.94	<LOD	28.8	<LOD	10.68	7723.22	139.99	28.39	7.98	<LOD	43.04	<LOD	129.42	<LOD	0	333.43	38.19	<LOD	10.2	30.16	2.21	<LOD	98.67	<LOD	4.56	<LOD	93.95	75.72	3.12	1080.47	216.21	230.63	4.91
11-Apr-12	101	23.38	wilder 5434	109	2586	3	1	30			405	16	<LOD	33	<LOD	83	291	16	<LOD	224	<LOD	623	<LOD	70	<LOD	18	46346	612	45	12	<LOD	65	1086	133	<LOD	0	651	72	15	4	46	3	<LOD	131	<LOD	6	<LOD	122	81	4	5552	691	219	6
11-Apr-12	101	17.89	stroh 5444	111	NA	1	2	0			227.84	9.03	0.07	5.52	15.02	19.56	148.18	8.86	41.21	38.79	ND		-14.39	7.39	-0.78	3.92	4296.79	93.56	10.72	6.28	-153.61	14.96	43.8	31.29	ND		195.75	30.49	1.29	3.09	37.09	2.22	11.2	31.36	-0.81	1.27	9.86	28.44	67.22	2.82	51.99	196.54	233.4	4.67
11-Apr-12	102	17.15	wilder_5420	109	NA	1	1	6			268.15	10.49	<LOD	24.33	<LOD	65.44	169.42	10.19	<LOD	145.09	<LOD	743.03	<LOD	32.16	<LOD	12.85	10440.48	170.83	34.19	8.34	<LOD	44.81	<LOD	154.97	<LOD	0	458.58	44.34	<LOD	10.63	41.05	2.5	<LOD	104.53	<LOD	4.45	<LOD	100.63	80.03	3.24	1546.43	255.88	336.85	6.02
11-Apr-12	102	22.27	wilder 5434	109	2586	3	1	30			295	11	<LOD	23	<LOD	64	223	11	<LOD	114	<LOD	341	<LOD	32	<LOD	14	11200	169	<LOD	20	<LOD	50	157	51	<LOD	0	204	33	<LOD	9	43	2	<LOD	103	<LOD	5	<LOD	94	98	3	2843	383	210	4
11-Apr-12	102	18.42	stroh 5444	111	NA	1	2	0			259.56	10.39	17.91	6.59	31.39	21.75	174.51	10.33	-14.6	45.3	ND		32.78	12.43	-6.22	3.98	12193.91	189.56	17.6	7.61	-43.91	16.74	45.51	53.49	ND		583.16	49.28	2.43	3.45	45.42	2.6	-14.35	35.03	0.71	1.56	51.94	31.8	94.01	3.51	2829.39	338.65	324.82	5.97
11-Apr-12	103	18.89	wilder_5420	124	NA	4			play area		1116.3	24.82	<LOD	50.79	<LOD	73.24	735.62	23.4	<LOD	159.54	<LOD	881.05	52.93	15.92	<LOD	17.7	17809.27	271.79	202.84	15.71	<LOD	50.59	<LOD	220.48	<LOD	0	449.36	51.86	<LOD	11.46	35.98	2.77	<LOD	118.03	<LOD	6.65	<LOD	112.49	125.4	4.42	1896.67	307.01	202.87	5.31
11-Apr-12	103	24.67	wilder 5434	109	2586	3	1	30			223	10	<LOD	21	<LOD	66	168	10	<LOD	113	<LOD	342	<LOD	34	<LOD	13	9701	163	<LOD	23	<LOD	52	221	51	<LOD	0	233	36	<LOD	10	38	2	<LOD	105	<LOD	5	<LOD	97	93	3	2070	371	212	5
11-Apr-12	103	19.64	stroh 5444	111	NA	1	2	6			131.22	8.09	8.53	5.11	41.32	22.81	132.43	9.63	86.15	51.32	ND		-5.35	11.43	-5.45	4.13	10458.21	180.88	13.31	7.74	-29.12	17.73	137.81	54.07	ND		507.77	49.23	1.26	3.71	62.58	3.11	54.18	37.52	2.98	1.7	29.11	33.63	115.86	4.05	2429.64	326.43	395.67	7.04
11-Apr-12	104	18.94	wilder_5420	124	NA	4			play area		347.73	12.46	<LOD	28.26	<LOD	66.81	318.89	14.37	<LOD	168.19	<LOD	768.34	<LOD	35.91	<LOD	12.7	9770.14	171.83	79.54	10.69	<LOD	46.36	<LOD	157.31	<LOD	0	314.32	41.65	<LOD	10.31	20.78	2.11	<LOD	107.31	<LOD	4.25	<LOD	103.61	79.49	3.38	829.97	246.61	152.87	4.38
11-Apr-12	104	22.76	wilder 5434	109	2586	3	1	30			224	10	<LOD	21	<LOD	65	165	10	<LOD	106	<LOD	327	<LOD	31	<LOD	12	9053	152	<LOD	22	<LOD	51	<LOD	142	<LOD	0	274	36	<LOD	10	38	2	<LOD	103	<LOD	5	<LOD	95	83	3	1889	352	226	5
11-Apr-12	104	18.96	stroh 5444	216	NA	1	1	0			147.4	8.26	3.61	5.13	7.07	22.68	134.53	9.49	58.18	49.7	ND		14.1	11.14	1.12	4.55	9964.16	171.3	17.97	7.77	-47.83	17.24	-31.72	48.98	ND		422.75	45.3	-2.42	3.55	48.17	2.73	28.14	37.1	-0.74	1.42	75.99	33.27	86.14	3.48	2087.13	329.05	361	6.51
11-Apr-12	105	18.98	wilder_5420	124	NA	4			play area		878.04	21.74	<LOD	46.51	<LOD	73.64	653.34	22.13	<LOD	170.68	<LOD	941.26	<LOD	45.68	<LOD	17.36	18933.61	285.03	255.57	17.19	<LOD	50.69	<LOD	232.85	<LOD	0	757.23	62.02	<LOD	11.57	32.63	2.67	<LOD	119.34	<LOD	6.77	<LOD	114.74	117.18	4.3	1628.71	312.11	216.55	5.47
11-Apr-12	105	22.68	wilder 5434	109	2586	3	2	30			285	10	<LOD	22	<LOD	62	301	12	<LOD	98	<LOD	337	<LOD	31	<LOD	13	8875	145	28	8	<LOD	49	147	45	<LOD	0	264	34	<LOD	9	32	2	<LOD	98	<LOD	4	<LOD	90	75	3	1390	339	209	4
11-Apr-12	105	18.89	stroh 5444	216	NA	1	1	0			202.75	9.28	22.99	6.05	-1.3	21.89	190.5	10.78	23.28	45.08	ND		19.67	11.22	1.76	4.54	8994.03	156.72	19.06	7.59	-86.84	16.6	42.14	46.69	ND		446.97	44.3	0.31	3.42	38.46	2.45	-18.78	34.76	-1.25	1.38	107	31.79	79.05	3.27	2130.39	310.14	299.03	5.73
11-Apr-12	106	20.26	wilder_5420	124	NA	4			play area		246.52	10.32	<LOD	22.85	<LOD	65.44	228.44	11.94	<LOD	135.48	<LOD	794.87	<LOD	32.33	<LOD	13.35	9554.51	165.45	33.6	8.58	<LOD	45.48	<LOD	150.04	<LOD	0	259.19	37.97	<LOD	10.3	29.56	2.28	<LOD	105.42	<LOD	4.59	<LOD	100.53	67.08	3.09	<LOD	741.29	177.85	4.53
11-Apr-12	106	21.62	wilder 5434	109	2586	3	2	30			234	9	<LOD	19	<LOD	57	207	9	<LOD	96	<LOD	296	<LOD	28	<LOD	13	8378	128	<LOD	19	<LOD	44	173	41	<LOD	0	189	29	<LOD	8	31	2	<LOD	89	<LOD	4	<LOD	82	70	3	1643	309	202	4
11-Apr-12	106	19.12	stroh 5444	216	NA	1	1	0			161.22	8.29	6.13	5.19	1.83	21.38	117.41	8.64	53.31	45.77	ND		1.81	10.06	-4.97	3.87	8102.58	145.79	15.29	7.21	-106.01	16.39	60.19	44.5	ND		281.15	38.09	-5.47	3.33	42.56	2.52	28.86	34.9	-2.76	1.19	-24.36	31.25	66.38	3.02	1738.82	296.58	287.96	5.58
11-Apr-12	107	20.92	wilder_5420	124	NA	4			play area		1153.2	25.17	<LOD	52.19	<LOD	71.66	659.62	22.06	<LOD	185.83	<LOD	853.68	<LOD	42.74	<LOD	18.99	17267.72	264.75	277.09	17.61	<LOD	49.83	<LOD	215.97	<LOD	0	453.39	52.05	<LOD	11.29	31.25	2.63	<LOD	115.23	<LOD	6.7	<LOD	111.35	108.7	4.13	1729.2	296.54	186.27	5.08
11-Apr-12	107	23.1	wilder 5434	109	2586	3	2	30			263	11	<LOD	23	<LOD	67	213	11	<LOD	103	<LOD	348	<LOD	30	<LOD	13	9528	162	<LOD	23	<LOD	52	239	51	<LOD	0	183	33	<LOD	10	40	2	<LOD	106	<LOD	4	<LOD	98	78	3	2987	401	240	5
11-Apr-12	107	19.41	stroh 5444	216	NA	1	1	2			299.54	10.69	15.01	6.69	0.96	20.82	217.26	10.99	-15.49	42.42	ND		6.54	10.65	-7.59	3.74	10741.52	167.75	52.33	8.64	-98.22	15.84	95.76	49.18	ND		481.12	43.94	5.53	3.28	36.47	2.3	23.48	33.72	1.02	1.52	-21.4	30.47	76.66	3.09	1558.64	284.56	262.76	5.13
11-Apr-12	108	19.72	wilder_5420	124	NA	4			play area		332.45	11.94	<LOD	25.76	<LOD	66.98	214.44	11.78	<LOD	145.57	<LOD	769.99	<LOD	31.96	<LOD	15.33	7984.34	148.41	136.1	12.32	<LOD	46.41	<LOD	141.23	<LOD	0	200.4	35.39	<LOD	10.44	27.15	2.24	<LOD	109.83	<LOD	4.56	<LOD	106.8	82.82	3.37	1002.43	249.39	220.83	5.01
11-Apr-12	108	23.66	wilder 5434	111	NA	1	1	0			281	10	<LOD	21	<LOD	60	226	10	<LOD	93	<LOD	307	<LOD	31	<LOD	13	11887	168	33	8	<LOD	47	155	50	<LOD	0	512	41	<LOD	9	37	2	<LOD	94	<LOD	4	<LOD	87	83	3	2185	339	229	4
11-Apr-12	108	18.23	stroh 5444	216	NA	1	1	2			201.66	9.4	1.92	5.78	67.6	22.57	162.33	10.21	-44.74	44.94	ND		23.07	11.92	1.66	4.63	10557.55	175.67	26.31	8.19	-2.04	17.26	21.01	50.67	ND		465.74	46.25	23.52	3.77	52.01	2.79	10.85	36.9	-0.71	1.47	22.45	33.41	90.77	3.52	1897.98	329.71	386.47	6.69
11-Apr-12	109	19.93	wilder_5420	124	NA	4			play area		420.13	15.05	<LOD	32.68	<LOD	75.01	270.84	14.59	<LOD	164.59	<LOD	981.84	<LOD	42.26	<LOD	15.56	13159.3	228.29	76.24	11.64	<LOD	52.85	<LOD	200.32	<LOD	0	374.71	49.14	<LOD	11.81	37.15	2.81	<LOD	120.67	<LOD	5.71	<LOD	117.05	110.63	4.29	1301.95	312.71	288.06	6.42
11-Apr-12	109	23.76	wilder 5434	111	NA	1	1	2			76	7	<LOD	15	<LOD	78	66	8	<LOD	138	<LOD	411	<LOD	41	<LOD	17	11821	210	<LOD	26	<LOD	60	<LOD	187	<LOD	0	501	52	12	4	52	3	<LOD	124	<LOD	5	<LOD	114	95	4	3720	486	318	6
11-Apr-12	109	19.02	stroh 5444	216	NA	1	1	2			212.17	9.5	5.9	5.9	32.68	21.9	161.33	10.05	122.33	50.52	ND		3.16	10.39	-6.13	3.91	9520.74	162.87	39.11	8.46	-82.77	16.67	27.07	47.76	ND		434.09	44.5	2.23	3.43	39.31	2.47	-27.67	35.47	-0.74	1.41	-16.03	32.11	74.43	3.2	1491.62	287.76	278.82	5.54
11-Apr-12	110	18.99	wilder_5420	124	NA	2					237.15	10.87	<LOD	24.78	<LOD	72.17	202.42	12.13	<LOD	170.77	<LOD	929.13	<LOD	35.01	<LOD	15.97	11539.17	199.88	45.68	9.74	<LOD	50.25	<LOD	175.93	<LOD	0	465.37	49.62	<LOD	11.7	46.93	2.9	<LOD	118.86	<LOD	4.85	<LOD	112.96	111.24	4.1	2080.56	316.28	373.97	7.03
11-Apr-12	110	23.72	wilder 5434	111	NA	1	1	2			258	12	<LOD	24	<LOD	76	164	11	<LOD	129	<LOD	407	<LOD	39	<LOD	14	10666	193	<LOD	27	<LOD	59	345	62	<LOD	0	483	50	<LOD	11	43	3	<LOD	121	<LOD	5	<LOD	111	90	4	2249	436	307	6
11-Apr-12	110	21.41	stroh 5444	124	NA	3	1	30			187.83	10.4	1.7	6.38	-19.64	25.35	194.7	12.6	83.81	59.91	ND		27.93	13.85	1.66	5.24	15111.7	254.61	24.19	9.26	-98.44	19.3	-116.65	65.93	ND		500.87	55.75	-0.73	3.92	52.82	3.21	88.28	41.31	0.72	1.73	46.54	37.47	121.36	4.56	2845.63	395.2	245.06	6.06
11-Apr-12	111	17.71	wilder_5420	124	NA	2					200.99	9.14	<LOD	20.82	<LOD	64.02	120.67	8.75	<LOD	145.49	<LOD	730.95	<LOD	31.02	<LOD	11	9794.36	163.88	<LOD	22.26	<LOD	44.22	<LOD	147.95	<LOD	0	526.82	46.08	<LOD	9.91	36.78	2.39	<LOD	103.59	<LOD	4.18	<LOD	99.56	67.94	3.02	810.97	234.24	243.46	5.08
11-Apr-12	111	23.5	embree 5434	216	NA	3	1	30			312	12	28	9	<LOD	68	390	15	153	45	<LOD	317	<LOD	33	<LOD	14	8468	155	<LOD	24	<LOD	53	245	51	<LOD	0	198	36	20	3	31	2	<LOD	105	<LOD	5	<LOD	97	80	3	975	325	162	4
11-Apr-12	111	20.41	stroh 5444	124	NA	3	1	30			156.13	9.1	4.47	5.65	20.27	24.5	140.97	10.38	9.37	50.81	ND		14.39	12.24	2.43	4.99	11761.33	204.65	24.27	8.64	-16.03	18.7	-12.75	56.98	ND		375.46	47.22	3.15	3.71	48.44	2.94	-33.15	39.99	0.15	1.56	68.96	36.16	88.22	3.77	1962.72	343.58	215.18	5.39
11-Apr-12	112	20.49	wilder_5420	124	NA	2					260.58	11.44	<LOD	26.14	<LOD	73.25	399.8	16.83	<LOD	179.04	<LOD	902.75	<LOD	37.07	<LOD	16.94	11729.06	203.32	38.22	9.52	<LOD	50.59	<LOD	183.49	<LOD	0	444.26	49.41	<LOD	12.11	57.03	3.15	<LOD	119.62	<LOD	4.94	<LOD	115.93	123.8	4.33	2613.54	325.26	404.17	7.4
11-Apr-12	112	23.17	embree 5434	216	NA	3	1	30			408	14	<LOD	29	<LOD	72	367	15	<LOD	137	<LOD	428	<LOD	39	<LOD	16	14502	224	<LOD	26	<LOD	56	333	66	<LOD	0	348	44	<LOD	11	45	3	<LOD	114	<LOD	5	<LOD	106	109	4	2864	459	323	6
11-Apr-12	112	20.08	stroh 5444	124	NA	3	1	30			185.19	9.52	4.29	5.9	12.79	23.36	200.03	11.77	-27.87	49.96	ND		27.63	12.58	-4.65	4.31	12891.42	210.91	30.75	8.71	-77.22	17.85	-43.03	57.28	ND		404.77	47.43	-4.78	3.48	45.5	2.79	35.59	38.34	1.13	1.59	12.55	34.4	90.54	3.69	1046.62	332.68	181.45	4.85
11-Apr-12	113	21.61	wilder_5420	125	NA	1	2	0			1403.13	31.95	<LOD	65.43	<LOD	81.61	1188.41	34.07	<LOD	230.78	<LOD	1143.25	<LOD	59.61	<LOD	22.97	31505.65	464.71	292.87	20.45	<LOD	58.59	<LOD	332.18	<LOD	0	536.07	67.43	<LOD	12.89	30.33	3.04	<LOD	133.19	<LOD	8.62	<LOD	129.74	316.43	7.95	1411.19	363.89	163.07	5.73
11-Apr-12	113	23.22	embree 5434	216	NA	3	1	30			293	12	<LOD	25	<LOD	71	192	11	175	50	<LOD	409	<LOD	34	<LOD	14	12761	206	<LOD	24	<LOD	57	<LOD	181	<LOD	0	308	43	12	4	59	3	<LOD	117	<LOD	5	<LOD	107	111	4	3920	474	308	6
11-Apr-12	113	20.42	stroh 5444	124	NA	3	1	2			130.79	8.18	-5.63	4.88	-1.06	23.46	98.72	8.7	50.92	52.82	ND		16.36	12.2	5.03	4.98	11321.08	193.41	39.63	9.12	-36.3	18.05	33.03	55.02	ND		385.38	46.27	-10.9	3.5	45.55	2.79	-34.03	38.66	1.1	1.57	64.85	34.65	132.22	4.37	7060.34	496.85	254.57	5.69
11-Apr-12	114	21.64	wilder_5420	125	NA	1	2	0			1837.82	39.79	<LOD	77.34	<LOD	87.45	1140.6	35.07	358.96	100.26	<LOD	1350.23	<LOD	68.17	<LOD	24.64	45113.64	651.75	263.59	20.67	<LOD	61.83	<LOD	413.9	<LOD	0	431.52	73.91	<LOD	14.08	21.61	3	<LOD	143.06	<LOD	9.23	<LOD	141.51	263.37	7.6	1259.54	413.4	226.77	6.81
11-Apr-12	114	22.42	embree 5434	216	NA	3	2	30			704	16	<LOD	33	<LOD	62	450	15	<LOD	114	<LOD	349	<LOD	35	<LOD	15	10432	161	34	8	<LOD	49	206	50	<LOD	0	258	35	15	3	34	2	<LOD	98	<LOD	5	<LOD	90	78	3	4404	423	188	4
11-Apr-12	115	20.41	wilder_5420	125	NA	1	2	0			1068.48	27.3	<LOD	57.57	<LOD	82.13	843.33	28.34	<LOD	215.62	<LOD	1169.21	<LOD	49.59	<LOD	23.37	23443.63	373.39	217.38	18.06	<LOD	58.3	<LOD	295.37	<LOD	0	313.47	56.72	<LOD	13.61	39.17	3.23	<LOD	136.13	<LOD	8	<LOD	129.96	168.22	5.74	1954.3	382.16	325.08	7.56
11-Apr-12	115	24.56	embree 5434	216	NA	3	2	30			285	11	<LOD	23	<LOD	66	171	10	<LOD	110	<LOD	274	<LOD	30	<LOD	14	6564	126	<LOD	22	<LOD	51	185	43	<LOD	0	218	33	12	3	37	2	<LOD	104	<LOD	5	<LOD	96	79	3	1617	313	218	5
11-Apr-12	116	20.4	wilder_5420	125	NA	1	2	4			1226.87	26.18	<LOD	54.14	<LOD	72.55	604.73	21.05	<LOD	166.43	<LOD	930.32	<LOD	46.33	<LOD	21.45	18212.16	275.38	147.92	13.94	<LOD	50.81	<LOD	224.28	<LOD	0	459.8	52.48	<LOD	11.5	31.23	2.66	<LOD	116.61	<LOD	7.57	<LOD	113.1	161.4	4.97	1362.23	301.75	239.25	5.74
11-Apr-12	116	23.69	embree 5434	216	NA	3	2	30			752	16	<LOD	34	<LOD	59	589	17	<LOD	114	<LOD	291	<LOD	32	<LOD	14	14289	190	42	8	<LOD	46	322	56	<LOD	0	267	35	<LOD	9	31	2	<LOD	91	<LOD	5	<LOD	85	72	3	2178	330	176	4
11-Apr-12	117	18.75	wilder_5420	125	NA	1	2	4			1404.2	30.07	<LOD	60.81	<LOD	79.7	738.8	24.75	<LOD	215.56	1512.31	394.66	<LOD	52.34	<LOD	24.32	23815.95	353.57	154.29	15.03	<LOD	55.17	<LOD	273.05	<LOD	0	496.81	59.96	<LOD	12.75	37.79	3.03	<LOD	129.81	<LOD	8.18	<LOD	126.78	188.06	5.69	1670.76	369.09	299.94	6.81
11-Apr-12	117	22.94	embree 5434	216	NA	3	2	2			343	12	<LOD	25	<LOD	65	225	11	<LOD	104	<LOD	323	<LOD	32	<LOD	12	9334	156	<LOD	24	<LOD	50	189	49	<LOD	0	302	37	<LOD	10	34	2	<LOD	103	<LOD	5	<LOD	95	80	3	1665	345	214	5
11-Apr-12	118	20.22	wilder_5420	125	NA	1	2	4			1117.03	24.51	<LOD	51.75	<LOD	71.95	623.33	21.14	<LOD	188.81	<LOD	937.27	<LOD	42.44	<LOD	18.14	19858.41	289.64	140.91	13.5	<LOD	50.27	<LOD	229.86	<LOD	0	449.55	52.65	<LOD	11.17	35.53	2.72	<LOD	116.27	<LOD	6.67	<LOD	111.36	133.66	4.5	1449.81	304.8	220.16	5.44
11-Apr-12	118	23.74	embree 5434	216	NA	3	2	2			461	15	<LOD	31	<LOD	69	500	18	<LOD	116	<LOD	372	<LOD	34	<LOD	17	11616	194	<LOD	25	<LOD	54	220	59	<LOD	0	244	39	<LOD	10	23	2	<LOD	104	<LOD	5	<LOD	98	66	3	1737	389	126	4
11-Apr-12	119	21.42	wilder_5420	125	NA	1	2	8			542.2	17.32	<LOD	38.07	<LOD	75.9	284.02	15.03	<LOD	171.55	<LOD	974.13	<LOD	44.39	<LOD	17.44	16722	270.73	55.35	10.87	<LOD	53.19	<LOD	227.78	<LOD	0	311.57	48.72	<LOD	12.36	47.54	3.12	<LOD	123.35	<LOD	5.56	<LOD	117.51	119.98	4.5	1885.97	329	335.85	7.03
11-Apr-12	119	23.05	embree 5434	216	NA	3	2	2			567	15	<LOD	32	<LOD	65	366	14	<LOD	108	<LOD	291	<LOD	34	<LOD	13	10677	172	43	9	<LOD	51	<LOD	155	<LOD	0	204	35	<LOD	10	27	2	<LOD	102	<LOD	5	<LOD	95	67	3	1873	335	157	4
11-Apr-12	120	18.91	wilder_5420	125	NA	1	2	8			712.62	19.45	<LOD	41.93	<LOD	74.82	384.72	16.92	<LOD	182.98	<LOD	874.47	<LOD	42.1	<LOD	17.5	16068.48	255.26	102.04	12.34	<LOD	52.31	251.87	74.02	<LOD	0	404.53	50.64	<LOD	11.62	46.42	3.01	<LOD	125.57	<LOD	6.5	<LOD	120.57	135.21	4.61	1520.29	296.53	248.91	5.88
11-Apr-12	120	22.52	embree 5434	216	NA	3	3	30			436	12	<LOD	27	<LOD	59	392	14	<LOD	98	<LOD	298	<LOD	31	<LOD	14	9373	146	28	7	<LOD	47	197	46	<LOD	0	144	29	12	3	31	2	<LOD	91	<LOD	5	<LOD	84	77	3	<LOD	835	144	4
11-Apr-12	121	20.15	wilder_5420	125	NA	1	2	8			909.88	23.12	<LOD	49.38	<LOD	74.3	540.04	20.81	<LOD	184.36	<LOD	1007.44	<LOD	47.32	<LOD	18.77	19441.1	302.85	112.13	13.32	<LOD	52.54	<LOD	243.35	<LOD	0	318.79	50.72	<LOD	12.08	43.47	3.08	<LOD	118.93	<LOD	6.38	<LOD	115.15	146.69	4.98	1805.69	334.95	221.77	5.81
11-Apr-12	121	22.93	embree 5434	216	NA	3	3	30			462	14	<LOD	29	<LOD	66	354	14	<LOD	114	<LOD	368	<LOD	36	<LOD	15	13590	202	<LOD	24	<LOD	51	261	59	<LOD	0	265	38	17	3	40	2	<LOD	102	<LOD	5	<LOD	96	85	3	2370	396	169	4
11-Apr-12	122	21.62	wilder_5420	125	NA	1	4	0			1566.68	33.9	<LOD	68.48	<LOD	81.43	852.85	28.16	<LOD	224.56	<LOD	1140.52	<LOD	60.95	<LOD	21.47	28059.7	421.97	192.9	17.28	<LOD	57.34	<LOD	310.07	<LOD	0	403.34	61.32	14.2	4.36	24.75	2.85	<LOD	130.12	<LOD	8.47	<LOD	128.07	233.78	6.7	<LOD	1020.28	175.01	5.73
11-Apr-12	122	23.25	embree 5434	216	NA	3	3	30			794	18	<LOD	38	<LOD	63	572	18	<LOD	112	<LOD	348	<LOD	37	<LOD	16	13344	197	55	9	<LOD	49	232	58	<LOD	0	246	37	17	3	23	2	<LOD	96	<LOD	5	<LOD	88	71	3	<LOD	1029	97	3
11-Apr-12	123	20.95	wilder_5420	125	NA	1	4	6			310.13	12.51	<LOD	28.04	<LOD	71.38	153.6	10.83	<LOD	169.36	<LOD	879.37	<LOD	36.53	<LOD	12.57	12650.2	214.96	<LOD	26.7	<LOD	50.43	<LOD	186.75	<LOD	0	361.22	46.89	<LOD	11.83	53.94	3.1	<LOD	118.47	<LOD	5.1	<LOD	112.96	93.35	3.85	1595.14	296.38	339.22	6.74
11-Apr-12	123	23.71	embree 5434	216	NA	3	3	2			92	7	<LOD	17	<LOD	74	104	9	<LOD	131	<LOD	329	<LOD	32	<LOD	14	6712	143	<LOD	23	<LOD	58	<LOD	136	<LOD	0	<LOD	94	<LOD	11	27	2	<LOD	121	<LOD	5	<LOD	110	63	3	1268	351	219	5
11-Apr-12	124	21.22	wilder_5420	125	NA	1	4	6			306.86	12.35	<LOD	27.74	<LOD	71.47	162.33	11.07	<LOD	159.12	<LOD	899.89	<LOD	34.69	<LOD	13.53	11290.35	198.57	45.34	9.82	<LOD	49.66	<LOD	174.16	<LOD	0	317.96	44.35	<LOD	11.89	40.81	2.78	<LOD	116.35	<LOD	3.99	<LOD	110.89	97.6	3.9	1445.46	295.2	303.91	6.33
11-Apr-12	124	23.54	embree 5434	216	NA	3	3	2			549	16	<LOD	33	<LOD	68	246	12	<LOD	121	<LOD	340	<LOD	37	<LOD	15	11915	194	<LOD	25	<LOD	53	230	59	<LOD	0	269	40	<LOD	10	36	2	<LOD	106	<LOD	5	<LOD	99	76	3	1955	375	157	4
11-Apr-12	125	20.76	wilder_5420	125	NA	1	4	6			332.04	12.49	<LOD	28.27	<LOD	69.36	178.71	11.19	<LOD	146.64	<LOD	863.96	<LOD	35.37	<LOD	14.92	12363.99	204.25	31.86	8.89	<LOD	47.91	<LOD	181.18	<LOD	0	374.17	45.24	<LOD	11.23	44.24	2.78	<LOD	111.63	<LOD	5.48	<LOD	107.16	92.62	3.7	1705.22	291.59	310.27	6.2
11-Apr-12	125	22.03	embree 5434	216	NA	3	3	2			468	12	<LOD	25	<LOD	56	602	16	<LOD	78	<LOD	238	<LOD	26	<LOD	12	8106	126	41	7	<LOD	43	181	41	<LOD	0	165	27	<LOD	8	21	2	<LOD	84	<LOD	4	<LOD	77	62	3	<LOD	717	106	3
11-Apr-12	125	20.49	stroh 5444	125	NA	1	3	0			1467.87	32.5	40.68	18.13	47.31	27.63	1028.98	30.98	86.29	77.02	ND		7.9	18.39	8.66	7.77	29084.11	432.73	181.57	17.03	28.26	21.4	189.72	100.58	ND		288.26	58.82	0.71	4.15	45.32	3.37	53.02	44.6	-3.88	2.62	87.79	40.48	266.92	7.2	1857.76	454.57	216.88	6.23
11-Apr-12	126	20.12	wilder_5420	125	NA	1	4	4			323.37	12.2	<LOD	27.64	<LOD	68.65	211.04	11.92	<LOD	158.54	<LOD	777.03	<LOD	39.11	<LOD	13.95	11895.81	197.16	<LOD	25.86	<LOD	48.12	<LOD	176.86	<LOD	0	423.64	46.51	<LOD	11.59	54.12	2.97	<LOD	110.88	<LOD	5	<LOD	107.66	110.83	3.96	1360.21	264.54	350.22	6.56
11-Apr-12	126	22.95	embree 5434	216	NA	3	3	4			511	14	<LOD	30	<LOD	65	274	12	<LOD	107	<LOD	331	<LOD	33	<LOD	13	11331	177	27	8	<LOD	50	259	54	<LOD	0	222	35	<LOD	10	34	2	<LOD	102	<LOD	5	<LOD	94	78	3	1893	357	170	4
11-Apr-12	126	14.6	stroh 5444	125	NA	1	3	0			907.7	27.52	19.33	16.05	-42.94	30.66	584.55	25.73	131.08	80.45	ND		21.51	19.37	-8.73	6.47	20942.4	380.53	105.74	15.76	11.69	23.75	158.43	96.83	ND		333.85	63.37	2.63	4.7	48.17	3.8	36.9	49.86	-4.28	2.41	71.6	45.29	258.7	7.94	1469.18	434.72	243.34	7.35
11-Apr-12	127	19.99	wilder_5420	125	NA	1	4	4			299.15	12.48	<LOD	28.47	<LOD	72.84	199.3	12.35	<LOD	159.4	<LOD	918.19	<LOD	36.48	<LOD	13.97	11219.86	201.89	29.38	9.26	<LOD	50.56	<LOD	179.99	<LOD	0	341.58	46.08	<LOD	11.9	44.05	2.91	<LOD	116.19	<LOD	5.31	<LOD	112.75	94.19	3.92	1421.26	300.4	315.85	6.59
11-Apr-12	127	24.23	embree 5434	216	NA	3	3	4			395	12	<LOD	26	<LOD	62	260	12	<LOD	98	<LOD	309	<LOD	30	<LOD	12	10914	166	<LOD	22	<LOD	48	173	50	<LOD	0	199	33	11	3	36	2	<LOD	97	<LOD	4	<LOD	89	83	3	1277	320	176	4
11-Apr-12	127	21.12	stroh 5444	125	NA	1	3	0			1775.61	37.67	44.53	20.43	83.39	28.32	992.39	31.27	124.6	77.54	ND		21.08	18.58	-1.71	7.51	26138.57	410.81	245.55	19.58	9.75	21.91	111.88	97.43	ND		325.76	60.38	12.63	4.3	28.53	3.05	25.2	45.51	-3.57	2.89	33.85	41.37	332.69	8.37	1504.61	416.48	120.54	5.28
11-Apr-12	128	19.73	wilder_5420	125	NA	1	4	4			283.71	12.25	<LOD	27.4	<LOD	73.57	201.88	12.48	<LOD	161.87	<LOD	972.67	<LOD	37.22	<LOD	14.47	11487.13	206.4	<LOD	25.09	<LOD	51.73	<LOD	182.82	<LOD	0	443.39	50.28	<LOD	12.37	51.56	3.12	<LOD	119.64	<LOD	5.04	<LOD	115.6	105.14	4.14	2029.38	327.8	374.51	7.28
11-Apr-12	128	22.87	embree 5434	216	NA	3	3	4			439	13	<LOD	27	<LOD	61	341	13	<LOD	105	<LOD	269	<LOD	31	<LOD	13	9931	155	<LOD	22	<LOD	47	211	49	<LOD	0	232	33	<LOD	9	27	2	<LOD	93	<LOD	5	<LOD	86	71	3	913	281	120	3
11-Apr-12	128	20.16	stroh 5444	125	NA	1	3	4			487.42	15.77	32.07	9.82	29.82	24.33	347.39	15.91	6.52	55.26	ND		19.03	13.85	-4.48	4.95	16858.58	261.8	100.93	12.21	-66.32	18.58	9.71	68.37	ND		411.2	51.04	-0.16	3.74	52.33	3.08	9.51	39.46	0.11	1.88	59.2	35.64	128.86	4.49	2217.74	369.57	253.51	5.88
11-Apr-12	129	20.33	wilder_5420	125	NA	3	3	30			338.55	12.34	<LOD	27.87	<LOD	67.85	348.84	14.98	<LOD	162.19	<LOD	813.33	<LOD	33.84	<LOD	14.84	12842.32	205.04	36.22	8.94	<LOD	47.3	<LOD	174.03	<LOD	0	309.27	42.62	<LOD	10.75	36.18	2.53	<LOD	108.49	<LOD	4.83	<LOD	104.37	95.84	3.67	986.83	260.8	230.6	5.25
11-Apr-12	129	23.52	embree 5434	216	NA	3	3	6			356	12	<LOD	26	<LOD	65	256	12	<LOD	105	<LOD	299	<LOD	31	<LOD	14	9194	159	<LOD	23	<LOD	51	186	50	<LOD	0	147	32	15	3	25	2	<LOD	100	<LOD	5	<LOD	93	70	3	1699	334	128	4
11-Apr-12	129	19.8	stroh 5444	125	NA	1	3	4			470.48	14.8	8.26	8.96	54.36	23.07	340.12	15.02	-87.23	43.07	ND		-3.45	11.84	4.71	5.31	12594.15	205.35	53.23	9.7	-76.05	17.66	124.2	58.71	ND		266.57	41.54	2.62	3.6	46.9	2.82	48.11	37.05	-2.12	1.62	52.95	33.82	104.81	3.91	1283.27	295.18	256.16	5.63
11-Apr-12	130	21.98	wilder_5420	125	NA	3	3	30			364.97	13.8	<LOD	31.17	<LOD	72.06	272.42	14.33	<LOD	153.02	<LOD	880.73	<LOD	37.45	<LOD	14.78	13327.95	226.76	32.46	9.48	<LOD	50.58	<LOD	193.35	<LOD	0	332.26	46.48	<LOD	10.96	33.01	2.65	<LOD	115.48	<LOD	5.23	<LOD	109.5	93.23	3.91	<LOD	802.23	140.9	4.61
11-Apr-12	130	22.76	embree 5434	216	NA	3	3	6			315	10	34	8	<LOD	56	426	14	<LOD	94	<LOD	241	<LOD	25	<LOD	12	6452	114	32	7	<LOD	44	<LOD	111	<LOD	0	235	31	16	3	21	2	<LOD	84	<LOD	4	<LOD	78	62	3	<LOD	734	82	3
11-Apr-12	130	18.7	stroh 5444	125	NA	1	3	4			672.88	18.93	65.68	11.83	33.43	24.46	479.53	18.88	39.69	57.31	ND		10.9	14.79	-1.69	5.49	17298.19	269.53	94.82	12.17	-84.14	18.7	235.19	73.12	ND		249.74	46.2	-0.58	3.76	46.66	3	-14.99	39.45	-2.46	1.89	20.84	36.02	116.64	4.34	1737.28	346.38	238.91	5.77
11-Apr-12	131	19.17	wilder_5420	125	NA	3	3	30			438.8	13.6	<LOD	30.38	<LOD	62.38	304.69	13.59	<LOD	143.16	<LOD	708.07	<LOD	32.96	<LOD	12.48	12995.14	200.17	31.76	8.38	<LOD	43.43	<LOD	174.84	<LOD	0	191.66	36.64	<LOD	9.82	19.52	2.03	<LOD	96.36	<LOD	4.6	<LOD	94.01	89.78	3.45	<LOD	642.24	86.09	3.52
11-Apr-12	131	23.22	embree 5434	216	NA	3	3	6			264	11	<LOD	23	<LOD	67	202	11	<LOD	109	<LOD	298	<LOD	35	<LOD	14	10870	176	<LOD	22	<LOD	52	386	57	<LOD	0	302	39	10	3	34	2	<LOD	105	<LOD	4	<LOD	96	72	3	<LOD	910	148	4
11-Apr-12	131	19.5	stroh 5444	125	NA	2	3	30			176.14	9.41	1.69	5.78	34.39	24.12	123.15	9.62	70.42	53.89	ND		8.7	12.12	-2.96	4.5	12201.19	205.22	23.51	8.52	-0.53	18.38	9.66	57.29	ND		550.43	52.58	8.67	3.84	53.71	3	45.29	39.01	0.88	1.64	75.06	35.66	91.25	3.75	2864.98	367.31	350.4	6.74
11-Apr-12	132	21.9	wilder_5420	125	NA	3	3	2			743.18	21.25	<LOD	44.85	<LOD	78.81	787.14	25.99	<LOD	175.35	<LOD	932.53	<LOD	44.97	<LOD	18.93	14064.65	249.65	74.34	12.24	<LOD	55.23	<LOD	212.75	<LOD	0	357.09	50.95	<LOD	12.18	30.58	2.8	<LOD	127.87	<LOD	6.25	<LOD	125.01	163.86	5.4	1609.65	318	146.99	5.09
11-Apr-12	132	23.01	embree 5434	124	NA	3	2	30			204	9	<LOD	20	<LOD	67	156	10	<LOD	112	<LOD	362	<LOD	32	<LOD	14	9071	156	<LOD	22	<LOD	52	212	50	<LOD	0	294	38	<LOD	10	36	2	<LOD	107	<LOD	4	<LOD	98	80	3	1937	379	239	5
11-Apr-12	132	19.76	stroh 5444	125	NA	1	3	8			592.94	17.2	24.57	10.46	27.69	23.72	352.44	15.77	52.67	56.73	ND		30.16	14.47	-2.62	5.1	16094.42	249.32	92.66	11.76	-44.83	18.38	104.93	67.14	ND		306.27	46.65	3.52	3.73	52.04	3.03	2.53	38.89	-1.03	1.85	102.87	35.26	113.19	4.17	1403.2	338.95	265.18	5.9
11-Apr-12	133	20.18	wilder_5420	125	NA	3	3	2			617.16	19.01	<LOD	40.99	<LOD	77.77	478.62	19.84	<LOD	177.93	<LOD	994.51	<LOD	42.74	<LOD	13.04	14473.81	251.56	46.11	10.74	<LOD	54.5	<LOD	214.5	<LOD	0	256.79	46.84	<LOD	12.32	39.61	3	<LOD	128.04	<LOD	6.01	<LOD	122.61	126.41	4.72	1654.44	329.94	198.67	5.61
11-Apr-12	133	23.28	embree 5434	124	NA	3	2	30			97	7	<LOD	16	<LOD	72	94	8	<LOD	125	<LOD	383	<LOD	34	<LOD	12	11714	193	<LOD	22	<LOD	56	209	58	<LOD	0	331	42	<LOD	11	55	3	<LOD	115	<LOD	5	<LOD	106	97	4	3392	443	293	6
11-Apr-12	133	20.14	stroh 5444	125	NA	1	3	8			284.16	11.75	6.38	7.24	45.13	23.72	196.11	11.83	115.77	56.63	ND		27.78	12.89	-0.4	4.83	11534.89	198.34	33.32	9.06	-65.85	18.12	-1.26	55.74	ND		410.54	48.17	-2.8	3.68	51.21	2.96	65.33	38.01	-3.69	1.38	88.18	34.52	89.72	3.73	1820.3	343.09	302.34	6.25
11-Apr-12	134	21.4	wilder_5420	125	NA	3	3	2			412.1	14.89	<LOD	32.78	<LOD	76.13	403.83	17.61	<LOD	161.47	<LOD	814.39	<LOD	41.92	<LOD	17.95	13377.55	230.2	68.25	11.32	<LOD	52.94	<LOD	199.57	<LOD	0	347.56	47.79	<LOD	11.87	46.69	3.05	<LOD	123.01	<LOD	6.32	<LOD	119.37	149.24	4.91	998.69	271.19	184.03	5.26
11-Apr-12	134	22.72	embree 5434	124	NA	3	2	30			186	9	<LOD	19	<LOD	65	133	9	<LOD	111	<LOD	309	<LOD	31	<LOD	11	7363	133	<LOD	20	<LOD	50	214	44	<LOD	0	247	34	<LOD	10	35	2	<LOD	103	<LOD	4	<LOD	95	79	3	1323	323	225	5
11-Apr-12	134	20.52	stroh 5444	125	NA	1	3	8			497.41	15.59	51.68	9.92	-22.45	22.96	356.45	15.7	23.66	52.31	ND		43.2	13.62	-2.23	4.97	13752.44	222.69	48.27	9.79	-153.54	17.67	-66.22	59.5	ND		376.47	47.37	1.39	3.62	36.57	2.63	-24.63	36.54	3.55	2.02	5.8	33.37	94.36	3.81	1527.84	328.77	210.8	5.25
11-Apr-12	135	19.38	wilder_5420	125	NA	3	3	4			299.53	10.78	<LOD	24.56	<LOD	61.64	263.63	12.17	<LOD	115.03	<LOD	673.48	<LOD	28.05	<LOD	12.69	7033.96	130.81	40.17	8.39	<LOD	43.25	<LOD	123.85	<LOD	0	275.65	35.41	<LOD	9.78	23.36	2.02	<LOD	100.04	<LOD	4.47	<LOD	95.8	64.57	2.89	<LOD	615.05	169.97	4.23
11-Apr-12	135	22.85	embree 5434	124	NA	3	3	30			87	6	<LOD	12	<LOD	56	113	8	<LOD	90	<LOD	258	<LOD	25	<LOD	10	9107	140	<LOD	17	<LOD	44	<LOD	129	<LOD	0	146	28	18	3	17	2	<LOD	83	<LOD	4	<LOD	77	34	2	<LOD	772	90	3
11-Apr-12	135	19.63	stroh 5444	125	NA	3	4	30			335.96	12.26	21.83	7.73	32.05	22.81	371.17	15.38	39.08	49.59	ND		9.79	11	-4.75	4.45	9485.98	167.99	50.41	9.34	-59.2	17.4	7.91	48.96	ND		291.69	41.1	-0.78	3.45	35.14	2.47	-30.9	36.66	1	1.67	28.79	33.4	73.51	3.29	1399.84	321.15	213.48	5.04
11-Apr-12	136	19.72	wilder_5420	125	NA	3	3	4			299.79	11.09	<LOD	24.48	<LOD	64.68	247.96	12.14	<LOD	140.55	<LOD	700.15	<LOD	29.21	<LOD	11.98	8986.1	156.06	<LOD	23.47	<LOD	44.55	<LOD	143.13	<LOD	0	292.99	38.25	<LOD	9.89	28.27	2.21	<LOD	104.36	<LOD	4.35	<LOD	99.33	67.87	3.04	1055.17	235.17	194.81	4.62
11-Apr-12	136	23.36	embree 5434	124	NA	3	3	30			301	12	<LOD	26	<LOD	73	272	13	<LOD	136	<LOD	403	<LOD	37	<LOD	18	13261	214	<LOD	27	<LOD	56	283	64	<LOD	0	381	46	<LOD	11	53	3	<LOD	116	<LOD	5	<LOD	107	85	4	2841	445	290	6
11-Apr-12	136	19.72	stroh 5444	125	NA	3	4	30			304.41	11.83	21.74	7.5	11.75	22.89	308.24	14.22	55.76	51.23	ND		30.23	12.81	-1.94	4.67	10495.44	181.39	42.84	9.24	-61.48	17.61	74.44	53.09	ND		401.52	45.92	-0.76	3.58	40.06	2.62	5.45	36.96	1.56	1.72	75.38	33.8	79.24	3.44	1776.57	329.2	285.11	5.88
11-Apr-12	137	18.08	wilder_5420	125	NA	3	3	4			188.48	9.14	<LOD	20.53	<LOD	67.37	174.05	10.58	<LOD	137.37	<LOD	756.13	<LOD	31.71	<LOD	12.29	9227.25	162.57	<LOD	24.16	<LOD	46.38	<LOD	151.32	<LOD	0	352.76	41.39	<LOD	10.41	33.89	2.4	<LOD	110.11	<LOD	3.84	<LOD	105.1	69.52	3.14	962.94	246.1	256.89	5.38
11-Apr-12	137	25.2	embree 5434	124	NA	3	3	30			348	13	<LOD	28	<LOD	74	288	14	<LOD	128	<LOD	419	<LOD	40	<LOD	16	13343	221	<LOD	28	<LOD	59	<LOD	188	<LOD	0	425	48	<LOD	11	42	3	<LOD	119	<LOD	5	<LOD	109	85	4	2451	449	254	6
11-Apr-12	137	20.24	stroh 5444	125	NA	3	4	30			427.55	14.16	16.83	8.72	-17.13	22.75	426.79	16.87	-19.31	45.62	ND		15.5	11.38	0.11	4.98	9308.12	169.81	48.02	9.48	-134.01	17.44	-19.25	49.18	ND		188.89	37.39	-5.78	3.5	30.3	2.41	-22.87	36.1	-0.1	1.7	40.79	33.15	68.33	3.28	1278.51	303.34	227.55	5.32
11-Apr-12	138	19.67	wilder_5420	217	NA	3	1	30			224.26	11.04	27.11	8.72	<LOD	74.09	184.27	12.09	<LOD	190.33	1331.07	357	<LOD	45.62	<LOD	17.19	22230.48	325.8	<LOD	28.11	<LOD	51.55	<LOD	253.13	<LOD	0	435.19	54.84	<LOD	11.91	33.38	2.68	<LOD	119.97	<LOD	4.86	<LOD	115.8	130.1	4.58	1050.3	326.48	243.01	5.89
11-Apr-12	138	24.23	embree 5434	125	NA	1	1	0			1710	39	<LOD	74	<LOD	93	936	32	<LOD	205	<LOD	558	<LOD	65	<LOD	22	34092	537	126	17	<LOD	73	616	126	<LOD	0	453	69	17	5	26	3	<LOD	148	<LOD	10	<LOD	136	177	6	1724	571	151	6
11-Apr-12	138	19.85	stroh 5444	125	NA	3	4	2			276.78	11.23	20.79	7.15	24.64	23.08	255.21	12.93	38.12	48.98	ND		19.47	11.73	-4.41	4.38	9056.04	164.76	35.56	8.74	-49.66	17.6	57.12	49.16	ND		431.52	46.01	-5.17	3.43	32.55	2.42	18.45	37.3	-2.17	1.42	5.76	33.99	72.35	3.3	1707.04	323.55	205.5	5
11-Apr-12	139	21.01	wilder_5420	217	NA	3	1	30			189.82	10.13	<LOD	22.77	<LOD	74.81	159.83	11.24	<LOD	174.33	<LOD	962.99	<LOD	39.38	<LOD	15.63	15510.9	250.66	33.01	9.52	<LOD	52.13	<LOD	207.49	<LOD	0	391.49	50.01	<LOD	12.06	48.56	3.03	<LOD	123.02	<LOD	4.68	<LOD	117.76	124.82	4.45	1510.51	313.45	299.94	6.46
11-Apr-12	139	24.09	embree 5434	125	NA	1	1	0			1975	42	<LOD	77	<LOD	88	1186	35	<LOD	196	<LOD	577	<LOD	63	<LOD	23	33016	504	246	20	<LOD	71	<LOD	347	<LOD	0	468	67	19	4	18	3	<LOD	143	<LOD	10	<LOD	132	195	6	2058	586	155	5
11-Apr-12	139	21.16	stroh 5444	125	NA	3	4	2			212.41	10.75	4.39	6.64	-0.01	25.12	230.22	13.3	-8.08	48.6	ND		14.26	12.01	0.63	5.09	8414.25	170.41	7.51	8	-0.92	19.34	6.3	50.5	ND		338.75	45.67	0.95	3.82	38.33	2.78	2.08	40.7	-0.63	1.59	39	36.45	96.7	4.04	1741.95	335.67	220.76	5.63
11-Apr-12	140	19.74	wilder_5420	217	NA	3	1	30			237.68	11.53	<LOD	26.39	<LOD	75.11	207.26	12.92	<LOD	213.98	<LOD	1039.18	<LOD	51.23	<LOD	18.08	26415.09	375.21	<LOD	28.29	<LOD	52.5	<LOD	275.04	<LOD	0	459.7	58.19	<LOD	12.12	49.28	3.13	<LOD	121.35	<LOD	5.41	<LOD	116.36	133.99	4.71	1430.13	332.51	257.87	6.15
11-Apr-12	140	24.24	embree 5434	125	NA	1	1	0			999	27	<LOD	56	<LOD	90	648	25	<LOD	194	<LOD	499	<LOD	55	<LOD	22	24764	403	139	16	<LOD	70	431	103	<LOD	0	310	58	16	4	29	3	<LOD	142	<LOD	8	<LOD	132	182	6	3138	563	184	6
11-Apr-12	140	18.33	stroh 5444	125	NA	3	4	2			302.69	10.79	8.2	6.67	40.94	20.89	292.76	12.7	0.94	40.12	ND		9.64	9.6	2.88	4.52	7706.12	137.03	27.82	7.59	-110.28	15.85	-20.68	40.79	ND		199.65	33.38	4.09	3.23	30.6	2.18	55.57	33.66	-1.84	1.33	36.51	30.3	65.3	2.91	1456.24	262.82	206.61	4.6
11-Apr-12	141	18.93	wilder_5420	217	NA	3	1	2			155.59	8.47	<LOD	19.12	<LOD	66.57	107.41	8.68	<LOD	136.68	<LOD	764.41	<LOD	34.99	<LOD	12.05	9587.26	168.31	<LOD	22.57	<LOD	45.83	<LOD	154.28	<LOD	0	228.57	37.33	<LOD	10.38	29.9	2.32	<LOD	106.71	<LOD	3.41	<LOD	102.37	72.72	3.23	<LOD	674.01	189.89	4.73
11-Apr-12	141	24.28	embree 5434	125	NA	1	1	4			600	19	<LOD	40	<LOD	81	324	17	<LOD	130	<LOD	411	<LOD	39	<LOD	19	11497	220	70	12	<LOD	63	<LOD	193	<LOD	0	327	48	16	4	34	3	<LOD	129	<LOD	6	<LOD	118	81	4	2598	467	195	5
11-Apr-12	142	19.01	wilder_5420	217	NA	3	1	2			143	8.17	<LOD	19.04	<LOD	65.93	120.85	9.1	<LOD	138.41	<LOD	694.05	<LOD	32.57	<LOD	14	10071.29	173.29	<LOD	21.72	<LOD	45.47	<LOD	157.6	<LOD	0	232.3	37.44	<LOD	10.17	32.19	2.37	<LOD	104.86	<LOD	4.09	<LOD	100.72	74.33	3.25	1314.1	245.26	196.58	4.8
11-Apr-12	142	22.61	embree 5434	125	NA	1	1	4			855	19	<LOD	40	<LOD	68	490	17	<LOD	127	<LOD	391	<LOD	39	<LOD	15	15777	223	103	11	<LOD	52	302	64	<LOD	0	413	44	14	3	41	2	<LOD	107	<LOD	5	<LOD	98	124	4	2340	413	230	5
11-Apr-12	143	18.55	wilder_5420	217	NA	3	1	2			121.43	7.43	<LOD	16.52	<LOD	64.52	87.89	7.8	<LOD	132.28	<LOD	696.06	<LOD	29.4	<LOD	12.39	9043.61	157.8	<LOD	22.83	<LOD	44.46	<LOD	142.09	<LOD	0	226.95	35.83	<LOD	10.13	34.86	2.37	<LOD	103.75	<LOD	3.95	<LOD	99.23	68.21	3.06	1022.2	234.3	196.55	4.67
11-Apr-12	143	23.23	embree 5434	125	NA	1	1	4			714	19	<LOD	39	<LOD	72	505	18	<LOD	125	<LOD	406	<LOD	41	<LOD	16	14419	225	79	11	<LOD	56	207	65	<LOD	0	422	47	<LOD	11	33	2	<LOD	115	<LOD	6	<LOD	106	100	4	1838	419	224	5
11-Apr-12	144	20.18	wilder_5420	217	NA	3			children playing		215.78	10.17	<LOD	23.09	<LOD	70.45	174.39	11.02	<LOD	162.56	<LOD	895.17	<LOD	38.34	<LOD	12.56	14820.42	229.52	26.85	8.65	<LOD	48.56	<LOD	197.45	<LOD	0	346.4	45.44	<LOD	11.08	47.21	2.83	<LOD	114.24	<LOD	5.4	<LOD	109.76	132.18	4.32	1808.97	300.52	311.4	6.23
11-Apr-12	144	22.53	embree 5434	125	NA	1	1	8			354	12	<LOD	26	<LOD	67	199	11	<LOD	119	<LOD	354	<LOD	38	<LOD	14	13860	202	<LOD	24	<LOD	52	<LOD	173	<LOD	0	272	38	<LOD	10	53	3	<LOD	106	<LOD	5	<LOD	98	103	4	3139	408	298	5
11-Apr-12	145	19.77	wilder_5420	217	NA	3			children playing		236.69	10.35	<LOD	23.5	<LOD	68.87	185.48	11.04	<LOD	158.31	<LOD	850.37	<LOD	35.49	<LOD	12.88	13002.37	205.35	<LOD	23.18	<LOD	47.08	<LOD	176.93	<LOD	0	234.48	39.72	<LOD	10.71	34.44	2.46	<LOD	112.27	<LOD	5.15	<LOD	106.29	106.06	3.81	1264.6	275.13	246.72	5.39
11-Apr-12	145	23.38	embree 5434	125	NA	1	1	8			327	13	<LOD	26	<LOD	72	171	11	<LOD	143	434	141	<LOD	35	<LOD	17	12578	206	35	9	<LOD	57	265	62	<LOD	0	339	44	15	4	50	3	<LOD	116	<LOD	6	<LOD	107	91	4	1493	419	280	6
11-Apr-12	146	19.66	wilder_5420	217	NA	3	4	30			182	8.32	<LOD	18.62	<LOD	58.6	222.51	10.9	<LOD	115.33	<LOD	675.04	<LOD	29.69	<LOD	9.9	7470.64	132.17	<LOD	19.53	<LOD	40.84	<LOD	126.48	<LOD	0	245.12	33.58	<LOD	9.16	27.27	2.05	<LOD	92.15	<LOD	4.18	<LOD	88.24	65.57	2.83	775.64	217.05	169.36	4.11
11-Apr-12	146	22.74	embree 5434	125	NA	1	1	8			405	13	<LOD	27	<LOD	66	233	11	<LOD	110	<LOD	353	<LOD	34	<LOD	15	10072	163	<LOD	24	<LOD	51	223	51	<LOD	0	185	33	11	3	40	2	<LOD	103	<LOD	5	<LOD	95	86	3	1662	363	232	5
11-Apr-12	147	20.42	wilder_5420	217	NA	3	4	30			268.62	12.4	<LOD	27.82	<LOD	76.74	244.96	14.2	<LOD	180.12	<LOD	998.54	<LOD	41.63	<LOD	17.19	12506.01	226.38	<LOD	29.32	<LOD	53.71	<LOD	198.85	<LOD	0	356.77	49.64	<LOD	12.42	58.25	3.39	<LOD	123.3	<LOD	5.36	<LOD	119.38	104.91	4.3	1445.26	322.62	334.45	7.11
11-Apr-12	147	24.85	embree 5434	125	NA	3	1	2	30 is concrete		561	16	<LOD	33	<LOD	70	324	14	<LOD	124	<LOD	377	<LOD	41	<LOD	15	13218	208	40	9	<LOD	55	235	61	<LOD	0	321	42	<LOD	10	38	2	<LOD	112	<LOD	5	<LOD	103	89	4	2351	411	220	5
11-Apr-12	148	20.94	wilder_5420	217	NA	3	4	30			338.12	12.74	<LOD	28.14	<LOD	70.35	383.9	16.2	<LOD	157.75	<LOD	849.07	<LOD	35.84	<LOD	12.88	11314.33	195.33	34.12	9.16	<LOD	48.93	<LOD	176	<LOD	0	514.22	50.29	<LOD	11.49	47.01	2.87	<LOD	112.77	<LOD	5.01	<LOD	110.19	97.29	3.82	1200.03	276.45	285.94	6.02
11-Apr-12	148	22.79	embree 5434	125	NA	3	1	2	30 is concrete		611	15	<LOD	32	<LOD	63	327	13	<LOD	92	<LOD	284	<LOD	29	<LOD	12	9213	150	54	9	<LOD	49	192	48	<LOD	0	130	29	14	3	30	2	<LOD	95	<LOD	5	<LOD	88	83	3	1094	298	134	4
11-Apr-12	149	20.18	wilder_5420	176	NA	3	2	30			224.04	10.33	<LOD	23.54	<LOD	70.69	268.01	13.44	<LOD	164.79	<LOD	879.56	<LOD	36.14	<LOD	13.88	11978.37	199.72	29.99	8.84	<LOD	48.7	<LOD	175.15	<LOD	0	387.48	45.88	<LOD	11.32	49.32	2.88	<LOD	115.75	<LOD	4.68	<LOD	111.6	109.07	3.96	2086.68	303.77	336.41	6.47
11-Apr-12	149	23.07	embree 5434	125	NA	3	1	2	30 is concrete		677	18	<LOD	37	<LOD	71	363	15	<LOD	116	<LOD	368	<LOD	39	<LOD	17	14464	221	176	14	<LOD	55	220	64	<LOD	0	340	43	<LOD	10	35	2	<LOD	116	<LOD	6	<LOD	105	92	4	2291	406	218	5
11-Apr-12	149	19.87	stroh 5444		BLANK						-0.7	2.87	2.27	1.72	-5.04	21.65	0.99	3.31	64.54	37.16	ND		3.62	6.99	-6.87	3.31	19.7	14.76	15.68	6.66	8.63	16.62	-6.99	9.59	ND		-34.56	15.9	-0.04	3.03	0.33	1.21	45.46	34.55	0.22	1.14	58.96	31.46	-0.44	1.42	34.9	171.77	1.55	2.19
11-Apr-12	150	21.25	wilder_5420	176	NA	3	2	30			229.26	10.76	<LOD	24.3	<LOD	71.39	367.72	16.14	<LOD	157.77	<LOD	927.64	<LOD	38.89	<LOD	15.64	12247.15	209.2	<LOD	25.82	<LOD	49.9	<LOD	182.85	<LOD	0	260.15	42.48	<LOD	11.89	47.22	2.93	<LOD	113.91	<LOD	4.28	<LOD	110.15	102.61	3.98	2288.99	322.2	305.3	6.35
11-Apr-12	150	23.12	embree 5434	125	NA	3	1	4	30 is concrete		600	16	<LOD	33	<LOD	64	426	15	<LOD	113	<LOD	319	<LOD	35	<LOD	16	11917	183	52	9	<LOD	50	182	55	<LOD	0	232	36	<LOD	10	29	2	<LOD	98	<LOD	4	<LOD	91	68	3	1946	352	145	4
11-Apr-12	150	20.47	stroh 5444		nist 2711						1195.09	27.23	92.36	16.05	43.19	25.85	355.96	16.95	140.56	69.04	ND		-22.19	14.47	4.92	6.61	24390.96	358.64	87.17	12.46	-5.83	19.94	77.04	86.48	ND		475.78	59.25	0.69	3.95	118.56	4.67	78.21	40.8	2.92	2.66	50.12	37.07	245.84	6.52	2958.33	404.24	247.73	6.23
11-Apr-12	151	20.73	wilder_5420	176	NA	3	2	30			170.97	8.83	<LOD	20	<LOD	65.79	154.43	10.08	<LOD	125.96	<LOD	736.8	<LOD	30.83	<LOD	11.37	7242.3	141.26	<LOD	21.99	<LOD	45.79	<LOD	132.21	<LOD	0	168.5	33.39	<LOD	10.7	36.07	2.47	<LOD	105.43	<LOD	4.47	<LOD	101.75	78.09	3.31	<LOD	695.4	228.66	5.14
11-Apr-12	151	23.04	embree 5434	125	NA	3	1	4	30 is concrete		405	13	<LOD	28	<LOD	67	276	13	<LOD	125	<LOD	338	<LOD	35	<LOD	14	13162	200	48	9	<LOD	53	<LOD	174	<LOD	0	322	41	<LOD	10	39	2	<LOD	105	<LOD	5	<LOD	97	94	3	2197	376	208	5
11-Apr-12	151	20.32	stroh 5444		NIST 2586						392.88	15.47	21.95	9.63	39.5	26.87	330.2	17	185.62	89.01	ND		77.49	23.28	16.75	6.99	49617.15	654.38	58.81	12.16	14.12	21.02	122.49	126.78	ND		658.97	76.04	3.19	4.16	53.05	3.38	68.85	44.08	0.37	2.05	158.65	40.61	84.12	4.09	6284.78	598.26	244.74	6.26
11-Apr-12	152	19.98	wilder_5420	176	NA	4		3	play area		495.53	16.61	<LOD	36.62	<LOD	75.75	319.15	15.94	<LOD	172.62	<LOD	993.33	<LOD	44.87	<LOD	16.81	18018.32	286.19	54.93	10.91	<LOD	52.89	<LOD	231.77	<LOD	0	282.19	48.28	<LOD	12.58	56.32	3.34	<LOD	121.98	<LOD	5.94	<LOD	116.9	138.04	4.82	2598.45	351.89	313.6	6.83
11-Apr-12	152	22.96	embree 5434	125	NA	3	1	4	30 is concrete		381	13	<LOD	26	<LOD	65	233	12	<LOD	105	<LOD	316	<LOD	32	<LOD	14	10557	170	40	9	<LOD	51	280	53	<LOD	0	262	36	14	3	39	2	<LOD	103	<LOD	5	<LOD	95	79	3	2399	363	197	4
11-Apr-12	152	21.18	stroh 5444		PES 5861						46.36	5.86	41.99	4.7	132.51	25.31	122.8	13.13	971.94	93.64	ND		919.41	38.72	1.08	4.98	14530.46	235.1	2785.69	57.44	86.45	19.22	215.11	66.41	ND		261.18	48.67	8.16	3.61	21.42	2.21	49.1	41.43	8.55	2.04	107.82	37.27	129.64	4.45	659.56	299.59	88.22	3.91
11-Apr-12	153	20.34	wilder_5420	176	NA	4		3	play area		419.73	14.01	<LOD	30.2	<LOD	69.7	263.99	13.38	<LOD	163.81	1132.37	320.05	<LOD	37.12	<LOD	13.38	15115.43	232.89	53.51	9.8	<LOD	48.74	<LOD	202.8	<LOD	0	354.31	46.08	<LOD	11.27	56.95	3.07	<LOD	112.99	<LOD	5.09	<LOD	107.09	129.38	4.29	1316.65	301.13	331.62	6.44
11-Apr-12	153	23.33	embree 5434	125	NA	3	1	6	30 is concrete		102	8	<LOD	17	<LOD	73	72	8	<LOD	112	<LOD	388	<LOD	32	<LOD	16	8721	163	<LOD	23	<LOD	57	<LOD	152	<LOD	0	351	42	16	4	46	3	<LOD	117	<LOD	4	<LOD	108	95	4	3845	460	328	6
11-Apr-12	153	20.5	stroh 5444		PES4315						297.49	11.75	12.63	7.33	43.76	23.19	865.59	24.28	86.1	47.87	ND		-17.22	7.87	-3.07	4.92	2729.75	84.33	106.68	11.68	-26.78	17.86	27.68	29.67	ND		492.8	46.31	2.09	3.35	9.94	1.83	44.91	37.17	-0.64	1.53	13.2	33.49	277.13	6.32	-19.72	234.92	43.57	3.45
11-Apr-12	154	21.23	wilder_5420	176	NA	4		3	play area		462.5	15.3	<LOD	33.52	<LOD	71.18	321.06	15.28	<LOD	166.25	<LOD	904.38	<LOD	37.59	<LOD	16.28	14577.34	236.46	65.33	10.75	<LOD	49.57	<LOD	202.41	<LOD	0	336.61	46.74	<LOD	11.55	50.46	3.04	<LOD	113.74	<LOD	5.58	<LOD	109.33	110.85	4.16	1666.28	303.55	266.18	5.98

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
11-Apr-12	154	23.02	embree 5434	125	NA	3	1	6	30 is concrete		523	15	<LOD	32	<LOD	66	367	14	<LOD	118	<LOD	343	<LOD	37	<LOD	15	13034	196	32	9	<LOD	51	<LOD	170	<LOD	0	293	39	<LOD	10	33	2	<LOD	103	<LOD	5	<LOD	94	88	3	1841	367	174	4
11-Apr-12	154	18.99	stroh 5444		nist2710						5520.81	85.66	654.27	39.62	54.33	28.33	7084.94	113.8	2.56	93.51	ND		-4.8	21	86.93	16.34	37588.44	561.76	2995.79	70.51	-122.98	22.39	-276.96	116.28	ND		9797.55	246.21	16.51	4.52	141.01	5.94	35.61	45.04	-4.2	5.07	29.12	41.43	333.02	8.7	1723.42	495.65	117.31	5.43
11-Apr-12	155	18.95	wilder_5420	176	NA	4		3	play area		283.26	12	<LOD	27	<LOD	72.78	215.58	12.64	<LOD	171.97	<LOD	914.51	<LOD	39.96	<LOD	15.17	16761.69	259.23	52.07	10.16	<LOD	50.58	<LOD	215.38	<LOD	0	215.9	43.21	<LOD	11.97	75.33	3.56	<LOD	117.57	<LOD	5.39	<LOD	113.28	133.45	4.51	2301.58	322.17	352.6	6.91
11-Apr-12	155	23.33	embree 5434	125	NA	3	1	6	30 is concrete		479	15	<LOD	32	<LOD	72	319	14	<LOD	135	<LOD	388	<LOD	40	<LOD	16	14369	224	29	9	<LOD	56	247	65	<LOD	0	371	45	18	4	45	3	<LOD	113	<LOD	5	<LOD	104	98	4	2144	415	225	5
11-Apr-12	156	19.51	wilder_5420	176	NA	4		3	play area		331.36	13.31	<LOD	30.69	<LOD	75.35	247.63	13.85	<LOD	191.21	<LOD	992.76	<LOD	38.46	<LOD	15.22	14763.79	244.78	46.62	10.18	<LOD	52.61	<LOD	212.28	<LOD	0	283.1	46.73	<LOD	12.5	66.91	3.49	<LOD	121.48	<LOD	5.5	<LOD	117.25	126.94	4.54	1975.7	332.06	352.89	7.11
11-Apr-12	156	24.09	embree 5434	217	NA	1	1	0			514	18	<LOD	37	<LOD	82	296	16	<LOD	142	<LOD	411	<LOD	42	<LOD	19	12409	231	34	11	<LOD	64	<LOD	205	<LOD	0	239	45	13	4	44	3	<LOD	132	<LOD	7	<LOD	120	136	5	3039	483	302	7
11-Apr-12	157	20.11	wilder_5420	176	NA	4		3	play area		153.79	9.52	<LOD	21.74	<LOD	76.07	111.12	9.93	<LOD	157.75	<LOD	952.3	<LOD	40.63	<LOD	16.62	14543.14	247.39	31.23	9.71	<LOD	53.23	<LOD	209.2	<LOD	0	583.75	57.22	<LOD	12.73	59.75	3.38	<LOD	125.52	<LOD	4.92	<LOD	121.35	108.67	4.31	2102.26	330.78	364.19	7.36
11-Apr-12	157	23.27	embree 5434	217	NA	1	1	0			425	14	<LOD	30	<LOD	74	230	12	<LOD	123	<LOD	399	<LOD	39	<LOD	17	11224	191	<LOD	26	<LOD	57	226	58	<LOD	0	290	41	<LOD	11	47	3	<LOD	119	<LOD	6	<LOD	107	126	4	3363	456	374	7
11-Apr-12	158	20.77	wilder_5420		4315						269.33	11.05	<LOD	25.4	<LOD	67.75	841.56	23.57	173.39	53.14	<LOD	635.68	<LOD	27.63	<LOD	14.45	2504.75	80.67	91.32	11.14	<LOD	47.9	<LOD	85.24	<LOD	0	576.37	47.75	<LOD	9.91	8.87	1.79	<LOD	109.06	<LOD	4.79	<LOD	104.5	303.4	6.49	<LOD	506.28	44.35	3.46
11-Apr-12	158	23.45	embree 5434	217	NA	1	1	0			347	13	<LOD	28	<LOD	74	223	13	<LOD	121	<LOD	391	<LOD	39	<LOD	15	10987	193	36	10	<LOD	58	302	60	<LOD	0	314	43	12	4	38	3	<LOD	120	<LOD	5	<LOD	108	109	4	2207	423	325	6
11-Apr-12	159	19.45	wilder_5420		5861						62.09	6.67	49.16	6.24	<LOD	78.2	143.24	15.01	1064.35	101.51	<LOD	822.79	972.66	41.91	<LOD	12.76	14751.9	247.4	2516.26	56.14	54.47	17.98	<LOD	214.55	<LOD	0	190.56	47.69	<LOD	11.18	23.81	2.41	<LOD	128.46	<LOD	5.3	<LOD	122.37	116.61	4.39	<LOD	739.31	70.88	3.83
11-Apr-12	159	22.89	embree 5434	217	NA	1	1	2			316	11	<LOD	24	<LOD	64	217	11	<LOD	99	<LOD	307	<LOD	31	<LOD	15	7623	137	<LOD	23	<LOD	51	258	46	<LOD	0	188	32	14	3	37	2	<LOD	101	<LOD	5	<LOD	93	97	3	1714	335	278	5
11-Apr-12	160	19.59	wilder_5420		2586						459.13	17.12	<LOD	37.17	<LOD	82.5	312.58	16.95	502.32	102.67	<LOD	1463.62	<LOD	70.73	<LOD	19.66	50465.86	672.75	85.66	13.28	<LOD	58.34	<LOD	416.79	<LOD	0	651.37	78.21	<LOD	13.06	41.81	3.21	<LOD	136.04	<LOD	6.74	<LOD	130.59	80.04	4.08	4071.55	493.84	267.6	6.69
11-Apr-12	160	24.39	embree 5434	217	NA	1	1	2			306	14	<LOD	31	<LOD	82	208	14	<LOD	126	<LOD	423	<LOD	35	<LOD	19	8888	189	39	11	<LOD	65	198	60	<LOD	0	223	43	15	4	41	3	<LOD	131	<LOD	6	<LOD	121	91	4	<LOD	1288	265	6
11-Apr-12	161	20.9	wilder_5420		2711						1129.47	25.75	125.01	18.92	<LOD	75.1	293.56	15.22	<LOD	172.44	<LOD	942.14	<LOD	48.68	<LOD	21.02	24910.77	355.98	117.8	13.19	<LOD	52.75	<LOD	274.72	<LOD	0	457.54	56.31	<LOD	11.69	107.5	4.39	<LOD	118.66	<LOD	7.94	<LOD	113.39	256.77	6.5	1915.58	324.04	238.86	6.02
11-Apr-12	161	23.61	embree 5434	217	NA	1	1	2			250	11	<LOD	25	<LOD	75	163	11	<LOD	124	<LOD	362	<LOD	34	<LOD	14	9430	177	<LOD	26	<LOD	58	<LOD	162	<LOD	0	233	39	16	4	39	3	<LOD	120	<LOD	5	<LOD	111	92	4	2159	404	301	6
11-Apr-12	162	18.55	wilder_5420		2710						5628.12	87.91	595.87	48.8	<LOD	86.92	6979.54	114.18	<LOD	292.86	<LOD	1406.56	<LOD	72.2	<LOD	47.9	38795.24	584.83	3066.28	72.22	<LOD	62.01	<LOD	389.83	<LOD	0	9814.55	249.56	<LOD	13.74	129.31	5.84	<LOD	136.76	<LOD	16.26	<LOD	133.1	342.58	8.94	1800.77	436.93	122.15	5.68
11-Apr-12	162	24.99	embree 5434	217	NA	1	2	0			295	12	<LOD	24	<LOD	70	223	12	<LOD	102	<LOD	342	<LOD	31	<LOD	14	8356	156	<LOD	24	<LOD	55	199	50	<LOD	0	228	36	12	3	32	2	<LOD	112	<LOD	5	<LOD	103	120	4	1559	363	192	5
11-Apr-12	163	19.36	wilder_5420		Blank						<LOD	9.4	<LOD	6.22	<LOD	67.13	<LOD	10.71	<LOD	95.49	<LOD	549.87	<LOD	21.93	<LOD	12.18	<LOD	53.28	<LOD	17.44	<LOD	45.66	<LOD	29.35	<LOD	0	<LOD	53.89	<LOD	9.5	<LOD	3.89	<LOD	105.01	<LOD	4.17	<LOD	101.83	<LOD	4.37	<LOD	477.47	<LOD	6.71
11-Apr-12	163	23.2	embree 5434	217	NA	1	2	0			217	9	<LOD	20	<LOD	61	173	10	<LOD	95	<LOD	303	<LOD	29	<LOD	12	7620	134	23	7	<LOD	48	<LOD	128	<LOD	0	232	33	15	3	24	2	<LOD	92	<LOD	4	<LOD	85	76	3	1396	317	123	4
11-Apr-12	164	24.76	embree 5434	217	NA	1	2	0			334	12	<LOD	25	<LOD	65	234	12	<LOD	107	<LOD	316	<LOD	31	<LOD	14	10386	169	<LOD	23	<LOD	51	207	52	<LOD	0	273	37	11	3	35	2	<LOD	100	<LOD	5	<LOD	93	121	4	2267	360	191	4
11-Apr-12	165	22.97	embree 5434	217	NA	1	2	2			213	9	<LOD	19	<LOD	63	152	9	<LOD	91	<LOD	321	<LOD	30	<LOD	11	8662	145	<LOD	22	<LOD	49	<LOD	135	<LOD	0	223	33	<LOD	9	37	2	<LOD	99	<LOD	4	<LOD	91	83	3	1630	338	185	4
11-Apr-12	166	23.84	embree 5434	217	NA	1	2	2			200	10	<LOD	23	<LOD	74	139	10	<LOD	110	<LOD	361	<LOD	36	<LOD	14	9279	175	<LOD	25	<LOD	58	204	55	<LOD	0	283	41	<LOD	11	37	3	<LOD	118	<LOD	6	<LOD	108	82	4	1676	387	203	5
11-Apr-12	167	23.68	embree 5434	217	NA	1	2	2			233	11	<LOD	24	<LOD	72	147	10	<LOD	118	<LOD	356	<LOD	35	<LOD	15	10858	190	<LOD	26	<LOD	56	248	59	<LOD	0	223	38	12	4	39	3	<LOD	111	<LOD	6	<LOD	103	91	4	2300	400	221	5
11-Apr-12	168	22.52	embree 5434	217	NA	3	2	30			544	14	<LOD	29	<LOD	61	452	15	<LOD	102	<LOD	308	<LOD	29	<LOD	14	8138	135	23	7	<LOD	47	<LOD	128	<LOD	0	241	33	<LOD	9	21	2	<LOD	95	<LOD	4	<LOD	87	62	3	979	306	161	4
11-Apr-12	169	23.15	embree 5434	217	NA	3	2	30			488	15	<LOD	31	<LOD	68	629	19	<LOD	101	<LOD	336	<LOD	32	<LOD	15	8196	149	40	9	<LOD	53	<LOD	142	<LOD	0	297	38	<LOD	10	30	2	<LOD	107	<LOD	5	<LOD	98	71	3	2257	375	181	4
11-Apr-12	170	21.27	embree 5434	217	NA	3	2	30			266	8	<LOD	18	<LOD	52	270	10	<LOD	78	<LOD	212	<LOD	22	<LOD	11	4975	87	<LOD	17	<LOD	40	118	30	<LOD	0	178	25	<LOD	7	14	1	<LOD	80	<LOD	3	<LOD	74	39	2	1112	231	105	3
11-Apr-12	171	24.14	embree 5434	217	NA	3	2	2			252	9	<LOD	20	<LOD	61	175	9	<LOD	91	<LOD	290	<LOD	26	<LOD	11	4978	100	<LOD	20	<LOD	47	<LOD	101	<LOD	0	133	27	<LOD	9	23	2	<LOD	96	<LOD	4	<LOD	87	50	2	975	291	142	4
11-Apr-12	172	22.25	embree 5434	217	NA	3	2	2			285	10	<LOD	21	<LOD	58	180	9	<LOD	80	<LOD	261	<LOD	25	<LOD	12	5287	100	<LOD	18	<LOD	45	117	34	<LOD	0	131	26	<LOD	8	19	2	<LOD	91	<LOD	4	<LOD	84	59	3	<LOD	764	144	3
11-Apr-12	173	22.01	embree 5434	217	NA	3	2	2			251	9	<LOD	19	<LOD	57	178	9	<LOD	85	<LOD	256	<LOD	25	<LOD	11	5097	96	<LOD	17	<LOD	44	154	33	<LOD	0	187	27	9	3	20	2	<LOD	88	<LOD	4	<LOD	82	53	2	1093	267	140	3
11-Apr-12	174	23.72	embree 5434	217	NA	3	3	2			431	15	<LOD	31	<LOD	72	483	18	<LOD	120	<LOD	359	<LOD	35	<LOD	14	10381	184	34	9	<LOD	56	<LOD	168	<LOD	0	389	45	<LOD	10	32	2	<LOD	114	<LOD	5	<LOD	104	81	4	1871	389	168	5
11-Apr-12	175	23.47	embree 5434	217	NA	3	3	2			396	14	<LOD	30	<LOD	72	402	16	<LOD	120	<LOD	392	<LOD	39	<LOD	15	12129	201	<LOD	24	<LOD	56	187	60	<LOD	0	412	46	11	4	39	3	<LOD	113	<LOD	5	<LOD	104	90	4	2242	420	224	5
11-Apr-12	176	23.2	embree 5434	217	NA	3	3	2			320	12	<LOD	26	<LOD	70	373	15	<LOD	113	<LOD	387	<LOD	34	<LOD	14	10520	177	<LOD	25	<LOD	54	178	54	<LOD	0	398	43	<LOD	10	38	2	<LOD	111	<LOD	5	<LOD	102	85	4	1869	400	237	5
11-Apr-12	177	24.01	embree 5434	176	NA	1	1	0			386	15	<LOD	31	<LOD	75	417	18	<LOD	122	<LOD	358	<LOD	38	<LOD	15	11446	207	30	10	<LOD	59	204	62	<LOD	0	285	43	17	4	28	2	<LOD	115	<LOD	6	<LOD	107	119	4	1185	374	165	5
11-Apr-12	178	23.53	embree 5434	176	NA	1	1	0			302	12	<LOD	26	<LOD	72	203	12	<LOD	115	<LOD	377	<LOD	34	<LOD	13	10843	187	<LOD	25	<LOD	56	208	57	<LOD	0	352	43	12	4	35	2	<LOD	115	<LOD	5	<LOD	104	138	4	2491	418	233	5
11-Apr-12	179	23.19	embree 5434	176	NA	1	1	0			423	14	<LOD	29	<LOD	68	326	14	<LOD	117	<LOD	331	<LOD	35	<LOD	15	12016	191	45	9	<LOD	53	304	59	<LOD	0	337	41	11	3	25	2	<LOD	105	<LOD	5	<LOD	97	225	5	1814	362	172	4
11-Apr-12	180	21.94	embree 5434	176	NA	1	1	2			217	8	<LOD	18	<LOD	56	172	9	<LOD	90	<LOD	268	<LOD	27	<LOD	11	7959	125	<LOD	18	<LOD	44	209	41	<LOD	0	229	30	11	3	30	2	<LOD	87	<LOD	4	<LOD	80	102	3	1437	286	172	4
11-Apr-12	181	25	embree 5434	176	NA	1	1	2			272	11	<LOD	24	<LOD	69	218	12	<LOD	117	<LOD	323	<LOD	34	<LOD	14	10696	180	<LOD	24	<LOD	54	<LOD	163	<LOD	0	325	41	<LOD	10	37	2	<LOD	109	<LOD	5	<LOD	99	111	4	2337	375	210	5
11-Apr-12	182	23.99	embree 5434	176	NA	1	1	2			253	9	<LOD	21	<LOD	60	195	10	<LOD	102	<LOD	292	<LOD	29	<LOD	12	8662	139	23	7	<LOD	47	164	44	<LOD	0	233	32	<LOD	9	36	2	<LOD	94	<LOD	4	<LOD	87	94	3	1053	297	188	4
11-Apr-12	183	23.2	embree 5434	176	NA	1	2	0			269	11	<LOD	23	<LOD	66	218	11	<LOD	115	<LOD	346	<LOD	34	<LOD	15	11809	186	34	9	<LOD	52	<LOD	163	<LOD	0	426	43	12	3	38	2	<LOD	103	<LOD	5	<LOD	96	116	4	1790	368	206	5
11-Apr-12	184	23.76	embree 5434	176	NA	1	2	0			265	11	<LOD	23	<LOD	70	181	11	<LOD	103	<LOD	328	<LOD	36	<LOD	13	8692	163	<LOD	24	<LOD	55	222	53	<LOD	0	222	37	<LOD	11	30	2	<LOD	110	<LOD	5	<LOD	101	115	4	1332	349	178	5
11-Apr-12	185	22.46	embree 5434	176	NA	1	2	0			273	10	<LOD	21	<LOD	60	223	10	<LOD	104	<LOD	305	<LOD	32	<LOD	12	9696	150	<LOD	20	<LOD	47	237	47	<LOD	0	257	34	<LOD	9	38	2	<LOD	94	<LOD	4	<LOD	86	120	4	1360	316	193	4
11-Apr-12	186	23.33	embree 5434	176	NA	3	1	30			405	13	<LOD	29	<LOD	68	190	11	<LOD	113	<LOD	321	<LOD	33	<LOD	17	9166	161	<LOD	23	<LOD	53	157	50	<LOD	0	458	44	11	3	44	3	<LOD	107	<LOD	4	<LOD	98	89	3	2124	363	236	5
11-Apr-12	187	22.56	embree 5434	176	NA	3	1	30			330	11	<LOD	23	<LOD	64	138	9	<LOD	102	<LOD	294	<LOD	27	<LOD	12	7482	131	<LOD	22	<LOD	49	<LOD	126	<LOD	0	252	33	<LOD	9	37	2	<LOD	99	<LOD	5	<LOD	91	79	3	2366	340	210	4
11-Apr-12	188	22.4	embree 5434	176	NA	3	1	30			261	10	<LOD	21	<LOD	59	119	8	<LOD	86	<LOD	286	<LOD	26	<LOD	11	6598	116	<LOD	20	<LOD	46	136	38	<LOD	0	228	31	9	3	29	2	<LOD	92	<LOD	4	<LOD	85	68	3	1625	307	171	4
11-Apr-12	189	23.38	embree 5434	176	NA	3	3	30			175	9	<LOD	20	<LOD	68	133	9	<LOD	103	<LOD	339	<LOD	31	<LOD	14	9883	170	<LOD	22	<LOD	53	170	52	<LOD	0	215	36	<LOD	10	35	2	<LOD	108	<LOD	5	<LOD	99	71	3	2194	378	215	5
11-Apr-12	190	22.86	embree 5434	176	NA	3	3	30			163	8	<LOD	18	<LOD	64	130	9	<LOD	110	<LOD	299	<LOD	29	<LOD	12	9047	150	<LOD	21	<LOD	50	197	48	<LOD	0	162	31	<LOD	9	28	2	<LOD	100	<LOD	4	<LOD	93	69	3	1468	321	181	4
11-Apr-12	191	24.48	embree 5434	176	NA	3	3	30			155	8	<LOD	18	<LOD	66	114	8	<LOD	108	<LOD	330	<LOD	31	<LOD	12	9174	154	<LOD	20	<LOD	51	<LOD	141	<LOD	0	230	34	14	3	43	2	<LOD	105	<LOD	4	<LOD	95	90	3	2528	373	221	5
11-Apr-12	192	23.2	stroh 5434		5861						46	6	59	6	<LOD	79	133	14	678	74	<LOD	365	1002	41	<LOD	16	14754	237	2677	55	88	20	275	69	<LOD	0	258	46	17	4	20	2	<LOD	126	<LOD	5	<LOD	115	119	4	<LOD	1082	86	4
11-Apr-12	193	24.74	stroh 5434		2586						458	16	<LOD	33	<LOD	80	325	16	308	75	<LOD	585	<LOD	64	<LOD	18	51080	629	73	12	<LOD	63	861	130	<LOD	0	795	74	<LOD	12	46	3	<LOD	129	<LOD	6	<LOD	119	81	4	8939	724	239	6
11-Apr-12	194	24.15	stroh 5434		2710						5576	81	686	43	<LOD	83	6868	103	<LOD	217	<LOD	610	<LOD	63	56	14	37153	519	2678	61	<LOD	66	465	117	<LOD	0	9261	222	22	4	122	5	<LOD	128	<LOD	14	<LOD	119	318	8	2926	627	108	5
11-Apr-12	195	24.87	stroh 5434		2711						1227	26	67	18	<LOD	77	314	15	<LOD	150	<LOD	483	<LOD	46	<LOD	21	25760	353	65	12	<LOD	60	488	90	<LOD	0	542	57	<LOD	11	114	4	<LOD	119	<LOD	8	<LOD	111	246	6	2104	490	223	5
11-Apr-12	196	15	stroh 5434		4315						258	11	<LOD	23	<LOD	68	788	22	<LOD	113	<LOD	302	<LOD	26	<LOD	16	2418	76	124	12	<LOD	54	<LOD	81	<LOD	0	574	46	12	3	9	2	<LOD	108	<LOD	5	<LOD	99	266	6	<LOD	799	38	3
11-Apr-12	197	23.1	stroh 5434		blank						<LOD	9	<LOD	6	<LOD	65	<LOD	10	<LOD	75	<LOD	219	<LOD	22	<LOD	11	<LOD	44	<LOD	18	<LOD	50	<LOD	29	<LOD	0	<LOD	47	<LOD	9	<LOD	4	<LOD	101	<LOD	3	<LOD	94	<LOD	4	<LOD	611	<LOD	6
12-Apr-12	1	53.44																																																				
12-Apr-12	1	48.14																																																				
12-Apr-12	1	54.97																																																				
12-Apr-12	2	19.43	wilder_5420		2586						442.37	16.68	<LOD	36.4	<LOD	82.79	340.06	17.5	441.78	98.58	<LOD	1392.1	72.94	23.14	<LOD	20.08	50449.71	667.74	72.28	12.7	79.04	19.54	<LOD	404.27	<LOD	0	838.02	82.23	<LOD	12.84	53.64	3.49	<LOD	134.54	<LOD	6.35	<LOD	130.1	82.28	4.09	4529.77	488.7	256.78	6.51
12-Apr-12	2	22.98	wilder 5434		5861						55	6	47	6	<LOD	78	145	14	952	82	<LOD	372	928	40	<LOD	14	15097	237	2800	55	98	20	463	71	<LOD	0	233	46	15	3	25	2	<LOD	126	7	2	<LOD	115	117	4	<LOD	1137	61	3
12-Apr-12	2	20.16	jackson 5444		NIST 2586						423.7	15.93	5.04	9.63	40.22	26.98	351.93	17.38	226.5	88.34	ND		50.04	22.69	-1.75	5.57	48333.59	634.95	82.12	12.97	-0.69	20.74	333.2	126.09	ND		708.79	76.34	4.01	4.14	52.6	3.35	48.93	43.62	-0.85	1.95	76.47	39.25	80.98	3.99	5447.89	553.94	255.68	6.34
12-Apr-12	3	19.65	wilder_5420		2710						5621.02	85.34	628.18	47.56	<LOD	84.23	6959.93	110.71	<LOD	278.91	<LOD	1291.82	<LOD	69.36	63.15	16.07	38423.69	563.89	2994.74	69.2	<LOD	60.35	<LOD	367.58	<LOD	0	9468.32	237.43	26.74	4.62	124.17	5.58	<LOD	132.79	<LOD	15.51	<LOD	129.38	327.35	8.47	1792.14	409.2	108.55	5.33
12-Apr-12	3	22.5	wilder 5434		2710						6011	90	687	47	<LOD	90	7409	114	<LOD	253	<LOD	666	<LOD	72	90	17	39393	570	2867	66	89	24	464	127	<LOD	0	10020	244	35	4	134	5	<LOD	144	<LOD	16	<LOD	133	342	8	3030	681	111	5
12-Apr-12	3	19.79	jackson 5444		PES 5861						65.23	6.67	50.33	5.35	86.44	26.01	138.37	14.17	887.28	93.36	ND		955.66	40.2	2.55	5.26	14471.75	239.88	3122.94	63	107.75	19.79	111.56	66.34	ND		109	43.92	2.74	3.6	27.03	2.43	107.5	42.24	7.24	2.02	123.82	37.79	115.7	4.32	441.87	310.71	58.41	3.59
12-Apr-12	4	19.93	wilder_5420		2711						1201.12	27.54	67.22	19.58	<LOD	77.08	339.07	16.81	<LOD	177.05	<LOD	1043.94	<LOD	51.24	<LOD	21.08	25414.88	373.03	114.66	13.54	<LOD	54.19	<LOD	285.82	<LOD	0	380.36	55.85	<LOD	12.12	113.91	4.65	<LOD	121.2	<LOD	7.28	<LOD	118.55	242.03	6.5	1236.96	330.11	238.32	6.2
12-Apr-12	4	23.21	wilder 5434		2586						474	17	<LOD	34	<LOD	80	343	16	321	78	<LOD	626	<LOD	72	<LOD	18	50666	634	48	12	<LOD	64	937	132	<LOD	0	781	75	<LOD	12	45	3	<LOD	129	<LOD	7	<LOD	120	93	4	7156	716	245	6
12-Apr-12	4	18.88	jackson 5444		nist2710						5666.4	89.23	633.22	40.73	93.77	29.31	7125.91	116.69	232.85	104.98	ND		-18.41	21.6	55.83	15.68	37028.94	566.62	3089.8	73.33	-46.88	23.33	-102.87	119.72	ND		9357.66	244.96	11.11	4.56	139.7	6.05	87.33	48.22	-6.37	5.16	198.59	44.08	347.67	9.1	2420.49	527.6	119.08	5.59
12-Apr-12	5	20.11	wilder_5420		4315						287.63	11.82	<LOD	27.03	<LOD	69.69	896.33	25.33	<LOD	136.83	<LOD	714.27	<LOD	24.94	<LOD	13.99	2707.86	87.39	122.75	12.66	<LOD	49.32	<LOD	88.59	<LOD	0	727.11	53.92	<LOD	10.45	9.38	1.88	<LOD	109.8	<LOD	4.42	<LOD	105.5	280.44	6.45	<LOD	590.63	32.29	3.41
12-Apr-12	5	24.18	wilder 5434		4315						279	11	<LOD	23	<LOD	67	843	22	<LOD	106	<LOD	287	<LOD	24	<LOD	14	2708	77	95	10	<LOD	52	<LOD	84	<LOD	0	623	45	<LOD	9	9	2	<LOD	109	<LOD	5	<LOD	99	277	6	<LOD	804	36	3
12-Apr-12	5	16.55	jackson 5444		nist 2711						1133.33	29.25	115.24	17.6	30.24	29.11	309.66	17.62	111.52	77.84	ND		-4.85	17.55	15.07	8.03	24382.62	397.16	99.9	14.44	40.86	22.41	176.01	97.15	ND		388.43	62.97	3.01	4.41	110.65	5.01	8.33	47.34	3.89	2.99	106.12	43.19	243.67	7.2	2023.33	455.58	253.36	6.97
12-Apr-12	6	20.62	wilder_5420		5861						49.47	6.09	40.77	5.62	<LOD	76.39	135.02	14.74	941.19	94.97	<LOD	774.1	952.85	40.41	<LOD	16.66	15015.27	245.38	2673.26	56.96	71.89	17.69	<LOD	205.55	<LOD	0	276.64	49.35	<LOD	10.98	17.61	2.17	<LOD	125.21	<LOD	5.4	135.37	39.91	116.15	4.29	<LOD	739.2	87.02	3.97
12-Apr-12	6	23.12	wilder 5434		2711						1224	27	80	18	<LOD	78	346	16	<LOD	158	<LOD	508	<LOD	51	24	8	25446	357	66	12	<LOD	61	457	91	<LOD	0	437	55	<LOD	11	101	4	<LOD	127	<LOD	8	<LOD	115	252	6	2796	528	238	6
12-Apr-12	6	19.48	jackson 5444		BLANK						0.65	2.88	0.8	1.66	33.42	21.47	11.79	3.96	41.03	35.01	ND		2.83	6.67	3.85	4.11	65.8	17.23	7.35	6.04	1.23	16.2	-19.3	8.91	ND		-15.66	16.91	1.8	2.96	0.11	1.17	7.57	33.53	-0.08	1.1	64.43	30.8	0.26	1.41	79.26	173.3	-7.03	2.01
12-Apr-12	7	20.29	wilder_5420		Blank						<LOD	9.27	<LOD	6.03	<LOD	63.8	<LOD	9.87	<LOD	96.49	<LOD	551.14	<LOD	20.43	<LOD	11.37	63.94	19.04	<LOD	16.16	<LOD	44.06	<LOD	31.19	<LOD	0	<LOD	46.5	<LOD	9.02	<LOD	3.45	<LOD	100.53	<LOD	3.48	<LOD	96.88	<LOD	4.58	<LOD	456.32	<LOD	6.35
12-Apr-12	7	24.26	wilder 5434		blank						<LOD	8	<LOD	5	<LOD	60	<LOD	10	<LOD	69	<LOD	201	<LOD	19	<LOD	11	<LOD	46	<LOD	16	<LOD	47	<LOD	27	<LOD	0	<LOD	43	<LOD	8	<LOD	3	<LOD	94	<LOD	3	<LOD	86	<LOD	4	<LOD	572	<LOD	6
12-Apr-12	7	19.41	jackson 5444		PES4315						253.25	10.77	19.98	6.88	71.38	23.75	823.8	23.37	39.96	45.44	ND		-14.87	8.27	-1.99	4.96	2639.06	81.87	102.43	11.43	66.97	18.11	60.88	29.96	ND		444	44.1	9.49	3.4	11.46	1.85	-35.44	38.91	2.31	1.69	93.65	35.32	273.01	6.19	105.46	249.94	50.98	3.49
12-Apr-12	8	56.51																																																				
12-Apr-12	8	45.62																																																				
12-Apr-12	8	21.28	embree 5444	222	NA	1	2	0			113.77	8.22	12.3	5.33	-25.79	24.98	217.39	13.04	-50.52	45.95	ND		5.43	11.77	-4.59	4.59	7848.65	164.61	2.05	7.66	-32.27	19.34	70.16	50.57	ND		243.21	41.65	-4.3	3.77	37.33	2.77	8.5	41.1	-2.37	1.35	149.03	37.18	114.08	4.38	671.56	298.41	201.06	5.46
12-Apr-12	9	18.68	wilder_5420	221	NA	1	2	0			83.7	7.12	<LOD	16.53	<LOD	73.46	113.06	9.44	<LOD	188.59	1265.56	350.64	<LOD	42.77	<LOD	12.86	19148.02	283.25	<LOD	25.25	<LOD	50.59	<LOD	226.39	<LOD	0	370.15	50.07	<LOD	11.75	68.26	3.39	<LOD	118.76	<LOD	4.87	<LOD	114.92	151.1	4.76	1778.34	335.66	365.52	7.03
12-Apr-12	9	23.19	counihan_5434	222	NA	su3	1	30in			62	6	<LOD	13	<LOD	71	75	8	<LOD	131	<LOD	418	<LOD	37	<LOD	16	13230	209	<LOD	24	<LOD	56	189	61	<LOD	0	467	47	<LOD	11	55	3	<LOD	112	<LOD	4	<LOD	105	103	4	2802	448	336	6
12-Apr-12	9	22.38	embree 5444	222	NA	1	2	0			110.31	8.79	-2.53	5.3	-16.81	27.15	273.5	15.67	-0.13	51.44	ND		10.4	12.84	6.15	5.93	8009.59	179.38	10.38	8.92	-1.05	21.08	36	54.15	ND		21.29	32.98	-4.36	4.04	28.92	2.74	-16.63	44.73	0.12	1.68	41.29	40.5	144.93	5.28	1707.64	344.67	170.32	5.54
12-Apr-12	10	20.76	wilder_5420	221	NA	1	2	0			85.3	7.18	<LOD	16.83	<LOD	73.71	118.82	9.73	<LOD	180.78	1016.44	328.67	<LOD	45.34	<LOD	15.27	16981.62	262.34	<LOD	26.72	<LOD	51.12	<LOD	216.18	<LOD	0	446.81	51.84	<LOD	11.69	57.78	3.18	<LOD	120.84	<LOD	4.58	<LOD	114.78	131.75	4.49	1274.92	310.29	309.21	6.46
12-Apr-12	10	23.11	counihan_5434	222	NA	su3	1	30in			47	6	<LOD	12	<LOD	69	61	7	<LOD	118	<LOD	383	<LOD	33	<LOD	13	10513	177	<LOD	23	<LOD	54	161	54	<LOD	0	578	49	12	4	50	3	<LOD	109	<LOD	4	<LOD	101	107	4	3785	448	455	7
12-Apr-12	10	22.31	embree 5444	222	NA	1	2	0			90.5	7.84	8.22	5.01	14.58	25.5	192.96	12.88	-10.16	46.41	ND		18.36	12.42	-11.02	3.99	6360.83	151.42	33.74	9.8	-118.32	19.72	45.24	47.49	ND		208.13	40.49	3.82	3.94	24.21	2.5	28.39	40.99	0.34	1.58	83.85	37.58	133.93	4.91	1927.68	327.17	126.57	4.79
12-Apr-12	11	21.88	wilder_5420	221	NA	1	2	0			80.95	7.27	<LOD	16.64	<LOD	74.01	135.14	10.53	<LOD	176.46	<LOD	950.09	<LOD	42.16	<LOD	13.91	17517.57	276.76	<LOD	23.87	<LOD	52.08	<LOD	223	<LOD	0	464.12	53.78	<LOD	11.88	58.93	3.31	<LOD	119.45	<LOD	4.71	<LOD	115.81	121.05	4.45	2136.91	329.71	245.94	5.95
12-Apr-12	11	23.47	counihan_5434	222	NA	su3	1	30in			75	6	<LOD	13	<LOD	65	58	7	<LOD	108	<LOD	332	<LOD	31	<LOD	12	10349	172	<LOD	23	<LOD	52	183	53	<LOD	0	729	52	16	3	42	2	<LOD	98	<LOD	4	<LOD	93	109	4	2666	384	214	5
12-Apr-12	11	19.83	embree 5444	222	NA	1	2	2			102.04	6.68	0.04	4.09	0.43	20.37	143.37	9.21	75.09	44.51	ND		-14.19	8.7	-0.07	4.05	6484.39	125.26	21.37	7.16	-203.06	15.61	120.35	40.64	ND		270.89	36.18	1.89	3.23	27.87	2.11	-36.79	32.09	-1.2	1.18	6.84	29.21	64.7	2.93	1243.37	268.97	181.18	4.4
12-Apr-12	12	21.22	wilder_5420	221	NA	1	2	2			57.16	6.26	<LOD	13.73	<LOD	72.83	91.72	8.79	<LOD	170.22	<LOD	909.95	<LOD	43.86	<LOD	14.45	15241.92	244.95	<LOD	25.91	<LOD	50.74	<LOD	206.91	<LOD	0	425.16	50.37	<LOD	11.59	55.96	3.15	<LOD	119.67	<LOD	4.28	<LOD	114.69	116.08	4.25	1416.8	299.1	292.87	6.3
12-Apr-12	12	25.43	counihan_5434	222	NA	su3	1	2			66	7	<LOD	15	<LOD	74	83	8	<LOD	120	<LOD	403	<LOD	37	<LOD	15	9806	183	<LOD	23	<LOD	59	<LOD	168	<LOD	0	448	48	12	4	41	3	<LOD	118	<LOD	5	<LOD	110	95	4	2510	441	269	6
12-Apr-12	12	19.91	embree 5444	222	NA	1	2	2			148.99	8.4	6.02	5.26	-22.77	22.28	212.13	11.77	-26.76	44.85	ND		30.93	11.97	1.48	4.63	10281.01	177.17	29	8.39	-96.39	17.23	-45.26	50.02	ND		388.43	44.33	1.48	3.52	45.87	2.71	36.44	36.32	-0.92	1.39	76.68	32.84	90.13	3.59	1865.54	319.6	249.16	5.45
12-Apr-12	13	21.4	wilder_5420	221	NA	1	2	2			50.45	6.02	18.74	4.98	<LOD	72.91	118.33	9.78	<LOD	172.33	<LOD	974.99	<LOD	40.76	<LOD	14.36	16531.1	260.15	<LOD	26.05	<LOD	50.6	<LOD	219.35	<LOD	0	446.36	51.86	<LOD	11.66	55.94	3.17	<LOD	116.93	<LOD	3.63	<LOD	112.51	151.77	4.84	1497.18	314.58	261.93	6.03
12-Apr-12	13	24.76	counihan_5434	222	NA	su3	1	2			64	6	<LOD	13	<LOD	66	53	6	<LOD	110	<LOD	351	<LOD	30	<LOD	12	8790	154	<LOD	21	<LOD	52	<LOD	143	<LOD	0	398	41	14	3	36	2	<LOD	104	<LOD	4	<LOD	96	95	3	1974	373	291	5
12-Apr-12	13	19.65	embree 5444	222	NA	1	2	2			146.39	8.04	-0.75	4.9	-28.07	21.26	191.73	10.81	54.34	45.53	ND		17.06	10.66	-9.32	3.51	7569.64	141.49	20.77	7.54	-131	16.43	44.94	43.28	ND		420.22	42.95	-1	3.33	32.64	2.3	14.25	34.67	0.69	1.41	-11.51	31.03	70.85	3.13	1145.2	273.11	208.45	4.82
12-Apr-12	14	20.67	wilder_5420	221	NA	1	2	2			50.42	5.77	<LOD	13.39	<LOD	68.89	123.41	9.52	<LOD	170.76	<LOD	831.12	<LOD	39.07	<LOD	13.61	15988.59	243.44	<LOD	23.77	<LOD	48.28	<LOD	205.39	<LOD	0	334.96	45.83	<LOD	11.23	52.42	2.95	<LOD	112.92	<LOD	4.05	<LOD	107.09	120.91	4.17	1196.96	273.68	261.48	5.73
12-Apr-12	14	25.11	counihan_5434	222	NA	su3	1	2			51	6	<LOD	12	<LOD	66	74	7	<LOD	99	<LOD	341	<LOD	27	<LOD	12	7898	145	<LOD	20	<LOD	52	<LOD	133	<LOD	0	402	41	14	3	32	2	<LOD	101	<LOD	4	<LOD	94	72	3	1650	357	194	4
12-Apr-12	14	19.72	embree 5444	222	NA	1	2	4			75.71	6.24	-0.16	3.79	-2.96	22.01	82.89	7.63	44.44	45.16	ND		-13.05	9.1	-5.08	3.83	6582.26	131.39	11.19	7.06	-97.54	16.78	72.1	41.74	ND		232.55	36.27	-2.91	3.42	39.37	2.49	-37.02	35.44	1.52	1.45	24.07	31.85	79.63	3.32	1663.41	296.99	277.46	5.6
12-Apr-12	15	20.62	wilder_5420	221	NA	1	2	4			50.87	5.94	<LOD	13.48	<LOD	70.1	113.33	9.54	<LOD	142.52	<LOD	805.1	<LOD	38.21	<LOD	13.78	11521.28	203.41	<LOD	24.67	<LOD	48.92	<LOD	176.65	<LOD	0	259.95	41.98	<LOD	11.28	34.2	2.61	<LOD	109.31	<LOD	3.51	<LOD	106.43	93.42	3.85	1137.41	269.57	188.61	5.1
12-Apr-12	15	24.26	counihan_5434	222	NA	su3	3	30in			130	7	<LOD	16	<LOD	64	172	10	<LOD	104	<LOD	342	<LOD	29	<LOD	13	8122	138	<LOD	19	<LOD	49	<LOD	129	<LOD	0	189	31	<LOD	9	38	2	<LOD	101	<LOD	5	<LOD	92	81	3	3495	397	192	4
12-Apr-12	15	19.28	embree 5444	222	NA	1	2	4			92.42	6.7	1.76	4.13	-7.59	21.76	100.94	8.26	26.64	45.92	ND		18.31	10.77	5.37	4.68	8289.41	150.56	13.09	7.29	-66.9	16.88	-17.02	44.41	ND		313.38	40.02	-1.9	3.42	42.57	2.56	-5.28	35.63	-0.68	1.32	16.14	32.4	79.24	3.31	1820.29	314.19	284.08	5.65
12-Apr-12	16	21.35	wilder_5420	221	NA	1	2	4			47.41	5.81	<LOD	13.34	<LOD	71.15	89.29	8.57	<LOD	160.46	<LOD	818.86	<LOD	37.27	<LOD	13.5	13693.36	225.14	<LOD	24.84	<LOD	49.9	<LOD	192.86	<LOD	0	293	44.19	<LOD	11.45	51.6	3.01	<LOD	115.97	<LOD	4.3	<LOD	111.34	112.87	4.14	1256.77	275.3	224.35	5.47
12-Apr-12	16	23.16	counihan_5434	222	NA	su3	3	30in			74	6	<LOD	14	<LOD	70	109	9	<LOD	116	<LOD	356	<LOD	36	<LOD	12	10371	175	<LOD	23	<LOD	54	<LOD	159	<LOD	0	244	37	15	4	43	3	<LOD	112	<LOD	4	<LOD	102	86	3	3289	419	242	5
12-Apr-12	16	19.93	embree 5444	222	NA	1	2	4			92.19	6.71	2.01	4.15	24.09	22.01	95.64	8.12	-45.1	40.49	ND		9.45	10.05	0.99	4.35	6625.76	132.26	16.72	7.41	-106.11	16.8	8.76	40.7	ND		199.62	34.74	-9.1	3.34	40.12	2.51	22.14	35.3	-1.79	1.22	18.81	32.23	64.11	3.05	836.75	276.63	244.99	5.27
12-Apr-12	17	20.95	wilder_5420	221	NA	1	2	4			68.69	6.44	<LOD	14.41	<LOD	70.08	92.22	8.51	<LOD	172.32	<LOD	799.8	<LOD	38.3	<LOD	14.64	14461.18	228.66	<LOD	24.54	<LOD	48.48	<LOD	192.36	<LOD	0	369.55	46.6	<LOD	11.11	61.53	3.17	<LOD	113.81	<LOD	4.2	<LOD	108.56	123.12	4.22	1781.04	283.63	264.28	5.8
12-Apr-12	17	22.1	counihan_5434	222	NA	su3	1	30in			82	6	<LOD	12	<LOD	57	115	7	<LOD	77	<LOD	225	<LOD	24	<LOD	10	4557	90	<LOD	17	<LOD	44	140	32	<LOD	0	91	23	11	3	26	2	<LOD	89	<LOD	4	<LOD	81	67	3	786	238	150	3
12-Apr-12	17	18.52	embree 5444	222	NA	1	2	6			60.43	5.39	9.57	3.52	2.98	20.82	68.65	6.67	-54.19	37.47	ND		-9.97	8.44	-3.08	3.75	6189.9	119.57	1.86	6.1	-107.68	15.74	41.88	37.78	ND		372.25	38.68	5.89	3.28	37.75	2.31	17.17	33.04	-0.29	1.23	26.45	30	68.37	2.94	764.7	258.39	264.3	5.14
12-Apr-12	18	22.37	wilder_5420	221	NA	1	2	6			59.52	6.6	<LOD	15.39	<LOD	74.48	98.89	9.39	<LOD	161.66	<LOD	947.04	<LOD	41.25	<LOD	16.21	13470.49	235.03	<LOD	23.27	<LOD	52.42	<LOD	202.63	<LOD	0	214.64	43.26	<LOD	12.04	47.45	3.08	<LOD	122.23	<LOD	4.47	<LOD	116.89	106.93	4.27	1343.48	308.86	228.8	5.82
12-Apr-12	18	23.44	counihan_5434	221	NA	su3	4	30in			74	6	<LOD	13	<LOD	66	153	10	<LOD	104	<LOD	306	<LOD	31	<LOD	14	6062	124	<LOD	21	<LOD	52	201	43	<LOD	0	135	30	<LOD	10	32	2	<LOD	103	<LOD	4	<LOD	95	57	3	1189	320	156	4
12-Apr-12	18	18.47	embree 5444	222	NA	1	2	6			57.65	5.21	0.19	3.17	34.65	20.25	60.5	6.27	-34.67	34.97	ND		-4.53	8.21	-5.52	3.46	5076.04	105.21	6.59	6.23	-115.18	15.49	18.34	33.78	ND		217.38	31.91	0.35	3.18	36.98	2.26	-15.84	32.56	-2.15	1.05	26.07	29.14	70.78	2.94	1003.16	232.73	250.92	4.95
12-Apr-12	19	20.56	wilder_5420	221	NA	1	2	6			67.89	6.16	<LOD	13.18	<LOD	66.64	88.06	8.02	<LOD	157.05	<LOD	808.55	<LOD	34.43	<LOD	12.77	12679.15	201.86	<LOD	21.5	<LOD	46.78	<LOD	176.44	<LOD	0	290.9	41.44	<LOD	10.66	45.07	2.7	<LOD	107.13	<LOD	4.08	<LOD	103.22	113.91	3.92	1218.92	265.19	240.79	5.33
12-Apr-12	19	24.27	counihan_5434	221	NA	su3	4	30in			51	5	<LOD	10	<LOD	56	78	6	<LOD	71	<LOD	213	<LOD	22	<LOD	11	3365	78	<LOD	16	<LOD	44	104	28	<LOD	0	<LOD	61	19	3	28	2	<LOD	86	<LOD	3	<LOD	79	63	3	<LOD	616	124	3
12-Apr-12	19	19.37	embree 5444	222	NA	1	2	6			86.55	6.52	3.31	4.06	-8.59	21.91	94.88	8.06	43.93	46.17	ND		-0.35	10.18	5.96	4.7	8738.35	155.35	22.41	7.68	-82.52	16.78	50.06	46.6	ND		283.06	38.97	-5.92	3.37	46.59	2.65	18.67	35.17	-1.48	1.25	79.98	32	78.34	3.29	2078.27	310.97	277.53	5.57
12-Apr-12	20	19.43	wilder_5420	221	NA	1	2	6			78.78	6.84	<LOD	15.07	<LOD	70.49	89.08	8.51	<LOD	157.94	<LOD	861.65	<LOD	38.97	<LOD	13.72	13763.29	223.73	<LOD	25.79	<LOD	49.18	<LOD	192.65	<LOD	0	329.32	45.21	<LOD	11.27	52.42	3.01	<LOD	115.5	<LOD	4.47	<LOD	109.97	130.17	4.38	1446.73	287.61	252.15	5.74
12-Apr-12	20	22.22	counihan_5434	221	NA	su3	4	30in			53	5	<LOD	10	<LOD	56	105	7	<LOD	63	<LOD	215	<LOD	22	<LOD	9	3818	81	<LOD	16	<LOD	43	120	29	<LOD	0	117	23	10	3	18	2	<LOD	86	<LOD	3	<LOD	79	40	2	<LOD	655	121	3
12-Apr-12	20	20.82	embree 5444	222	NA	3	2	30			33.57	5.09	6.98	3.29	14.97	23.07	79.14	7.95	39.33	51.91	ND		2.46	11.26	-0.45	4.46	10643.93	187.82	5	7.24	-97.07	17.9	41.1	54.05	ND		226.01	40.36	5.15	3.62	42.73	2.73	18.18	37.37	-0.64	1.33	66.09	33.7	115.07	4.14	2483.84	373.65	180.18	4.91
12-Apr-12	21	19.75	wilder_5420	224	NA	1	1	0			199.89	10.54	<LOD	24.2	<LOD	74.29	225.96	13.28	<LOD	186.92	<LOD	1014	<LOD	45.97	<LOD	14.94	20042.25	303.62	31.24	9.55	<LOD	52.21	<LOD	247.57	<LOD	0	719.83	62.83	<LOD	12	49.41	3.11	<LOD	118.52	<LOD	5.37	<LOD	114.08	250.61	6.37	1936.73	336.8	240.53	6.01
12-Apr-12	21	25.41	counihan_5434	221	NA	su3	3	30in			101	8	<LOD	16	<LOD	75	158	11	<LOD	120	<LOD	423	<LOD	35	<LOD	14	9663	180	<LOD	25	<LOD	59	220	57	<LOD	0	273	41	15	4	40	3	<LOD	119	<LOD	5	<LOD	109	96	4	1726	429	242	5
12-Apr-12	21	20.47	embree 5444	222	NA	3	2	30			44.02	5.34	7.17	3.45	30.5	22.68	59.43	6.97	40.43	48.07	ND		5.29	11.34	-8.63	3.57	9524.35	170.86	18.62	7.76	-137	17.24	129.42	51.66	ND		195.58	37.32	-0.05	3.47	36.65	2.52	-42.97	36.45	-1.55	1.21	-29.66	33.09	96.4	3.73	906.31	280.18	178.02	4.75
12-Apr-12	22	22.3	wilder_5420	224	NA	1	1	0			159.29	10.06	<LOD	23.26	<LOD	78.89	167.2	12.19	255.67	75.54	<LOD	1067.17	<LOD	44.9	<LOD	17.51	20756.85	328.47	<LOD	27.36	<LOD	55.41	<LOD	255.72	<LOD	0	804.83	69.39	<LOD	12.65	37.45	2.97	<LOD	127.27	<LOD	5.86	<LOD	122.47	256.8	6.81	2008.93	356.7	184.46	5.68
12-Apr-12	22	25.04	counihan_5434	221	NA	su3	4	30in			95	7	<LOD	16	<LOD	72	150	10	<LOD	131	<LOD	365	<LOD	37	<LOD	13	11606	194	<LOD	24	<LOD	56	205	58	<LOD	0	303	41	13	4	44	3	<LOD	114	<LOD	4	<LOD	105	90	4	2545	410	262	5
12-Apr-12	22	21.55	embree 5444	222	NA	3	2	30			39.32	5.34	1.13	3.24	-10.28	23.11	41.28	6.28	108.29	51.61	ND		-23.73	9.45	-3.03	4.18	7188.3	148	-3	6.59	-124.06	17.84	150.6	47.66	ND		100.59	33.12	2.12	3.6	38.09	2.63	72.49	36.89	0.23	1.38	85.95	33.3	97.94	3.87	806.18	276.28	168.74	4.8
12-Apr-12	23	21.79	wilder_5420	224	NA	1	1	0			187.45	10.37	<LOD	23.55	<LOD	74.15	209.18	12.96	<LOD	169.91	<LOD	988.02	<LOD	44.49	<LOD	15.72	20383.34	310.96	<LOD	27.72	<LOD	52.41	<LOD	246.6	<LOD	0	594.83	59.41	13.54	4.19	55.87	3.3	<LOD	119.5	<LOD	5.58	<LOD	114.46	202.16	5.76	2487.17	347.72	278	6.45
12-Apr-12	23	23.71	counihan_5434	221	NA	su3	4	30in			82	7	<LOD	16	<LOD	75	129	10	<LOD	137	<LOD	394	<LOD	36	<LOD	15	10976	195	<LOD	21	<LOD	58	183	59	<LOD	0	319	44	<LOD	11	49	3	<LOD	120	<LOD	4	<LOD	110	96	4	2339	429	249	6
12-Apr-12	23	21.16	embree 5444	222	NA	3	2	2			37.3	5.28	3.87	3.3	13.84	23.25	54.32	6.99	0.38	47.78	ND		8.44	11.87	1.3	4.61	10434.2	187.65	8.2	7.51	-137.95	17.88	79.34	54.81	ND		291.53	42.76	-8.43	3.53	42.13	2.75	65.21	37.51	-1.64	1.25	43.31	34.04	108.56	4.08	1355.43	305.77	188.42	5.06
12-Apr-12	24	22.42	wilder_5420	224	NA	1	1	2			145.58	10.64	<LOD	24.1	<LOD	86.21	177.96	13.86	<LOD	194.77	<LOD	1018.77	<LOD	43.77	<LOD	16.78	13440.88	269.47	<LOD	31.52	<LOD	60.39	<LOD	234.56	<LOD	0	607.48	66.05	<LOD	14.01	50	3.61	<LOD	137.44	<LOD	5.34	<LOD	132.8	95.2	4.66	1142.18	333.77	229.51	6.68
12-Apr-12	24	23.49	twellman_5434	224	NA	su3	1	30in			160	9	<LOD	20	<LOD	75	209	12	<LOD	121	<LOD	430	<LOD	41	<LOD	16	14270	231	<LOD	25	<LOD	59	293	68	<LOD	0	444	49	<LOD	12	48	3	<LOD	119	<LOD	5	<LOD	110	101	4	3912	496	388	7
12-Apr-12	24	21.55	embree 5444	222	NA	3	2	2			41.57	5.75	6.55	3.68	-21.29	24.76	52.97	7.26	95.97	57.57	ND		-4.69	11.74	-4.69	4.33	11478	208.93	4.23	7.68	-81.39	19.07	42.65	59.26	ND		273.42	45.15	-0.85	3.81	45.56	2.97	25.82	39.85	-0.95	1.39	30.22	36.01	117.55	4.43	1683.35	348.86	206.61	5.52
12-Apr-12	25	19.98	wilder_5420	224	NA	1	1	2			193.38	10.48	<LOD	24.07	<LOD	74.31	217.51	13.2	<LOD	193.74	<LOD	932.48	<LOD	44.88	<LOD	15.8	19806.82	304.46	<LOD	28.27	<LOD	52.82	<LOD	250.46	<LOD	0	640.25	61.02	<LOD	12.14	61.48	3.4	<LOD	122	<LOD	5	<LOD	115.82	104.06	4.2	2664.76	342.49	308.59	6.69
12-Apr-12	25	23.54	twellman_5434	224	NA	su3	1	30in			317	13	<LOD	28	<LOD	75	296	15	<LOD	133	<LOD	452	<LOD	40	<LOD	18	15966	251	<LOD	27	<LOD	59	<LOD	211	<LOD	0	549	54	<LOD	12	51	3	<LOD	120	<LOD	5	<LOD	109	157	5	3361	498	338	7
12-Apr-12	25	19.59	embree 5444	222	NA	3	2	2			43.12	5.3	2.29	3.25	23.8	22.75	56.14	6.74	31.73	49.84	ND		10.42	11.41	-3.39	4.07	11641.5	191.28	1.69	6.86	-55.18	17.39	12.08	53.81	ND		304.97	42.19	2.67	3.5	48.33	2.76	-32.3	37.18	1.11	1.44	86.55	33.7	131.32	4.23	1529.33	321.5	233.78	5.31
12-Apr-12	26	20.17	wilder_5420	224	NA	1	1	2			67.64	6.63	<LOD	16.03	<LOD	72.04	103.23	9.25	<LOD	151.88	<LOD	834.66	<LOD	33.6	<LOD	14.3	11286.92	202.5	<LOD	24.44	<LOD	50.16	<LOD	181.88	<LOD	0	629.1	55.54	<LOD	11.7	37.78	2.73	<LOD	114.68	<LOD	4.34	<LOD	110.85	91	3.84	1021.83	272.56	286.34	6.24
12-Apr-12	26	25.42	twellman_5434	224	NA	su3	1	30in			218	11	<LOD	23	<LOD	73	311	15	<LOD	127	<LOD	385	<LOD	36	<LOD	15	10312	188	<LOD	24	<LOD	57	230	58	<LOD	0	786	59	12	4	40	3	<LOD	113	<LOD	5	<LOD	106	86	4	1238	388	246	5
12-Apr-12	26	20.94	embree 5444	222	NA	3	2	4			38.56	5.17	2.11	3.18	0.57	22.79	54.88	6.85	12.43	46.84	ND		13.55	11.13	-2.2	4.19	8286.76	158.66	13.5	7.57	-138.41	17.46	35.46	47.54	ND		229.95	38.54	1.04	3.51	36.69	2.55	-41.38	36.99	-2.72	1.1	3.4	33.35	83.42	3.55	1265.81	307.41	161.91	4.61
12-Apr-12	27	21.31	wilder_5420	224	NA	1	1	4			111.14	8.92	<LOD	20.31	<LOD	80.53	155.36	12.24	<LOD	191.56	<LOD	1000.22	<LOD	45.95	<LOD	16.72	14889.66	270.01	<LOD	30.36	<LOD	57.32	<LOD	231.45	<LOD	0	690.39	65.49	14.3	4.56	50.06	3.38	<LOD	132.41	<LOD	4.94	<LOD	127.89	104.46	4.54	1193.3	323.75	297.65	7.1
12-Apr-12	27	23.01	stroh 5434	161	NA	1	1	2			56	6	<LOD	12	<LOD	70	119	9	<LOD	128	<LOD	408	<LOD	37	<LOD	14	12888	202	<LOD	22	<LOD	55	226	60	<LOD	0	521	48	<LOD	10	53	3	<LOD	113	<LOD	4	<LOD	104	100	4	4033	470	313	6
12-Apr-12	27	20.03	embree 5444	222	NA	3	2	4			21.96	4.24	5.44	2.71	-29.65	21.43	50.59	6.27	-30.78	39.6	ND		-14.92	8.62	-7.6	3.44	6381.8	128.8	7.51	6.63	-167.16	16.4	80.75	41.09	ND		136.56	31.38	-3.05	3.27	31.66	2.29	-4.9	34.19	0.09	1.25	9.87	30.87	74.75	3.22	440.49	246.49	143.86	4.18
12-Apr-12	28	19.04	wilder_5420	224	NA	1	1	4			190.71	9.84	<LOD	22.82	<LOD	70.67	188.03	11.67	<LOD	185.89	<LOD	930.81	<LOD	42.75	<LOD	14.78	20327.25	292.57	<LOD	26.3	<LOD	49.61	<LOD	232.02	<LOD	0	525.11	54.55	<LOD	11.45	69.99	3.39	<LOD	115.01	<LOD	4.87	<LOD	110.39	110.19	4.07	2589.14	330.69	308.83	6.33
12-Apr-12	28	23.46	stroh 5434	161	NA	1	1	2			87	7	<LOD	16	<LOD	77	87	8	<LOD	135	<LOD	411	<LOD	41	<LOD	15	10706	192	<LOD	23	<LOD	60	227	59	<LOD	0	532	51	<LOD	11	56	3	<LOD	123	<LOD	5	<LOD	114	101	4	3159	464	346	7
12-Apr-12	28	20.63	embree 5444	222	NA	3	2	4			50.42	5.65	5.07	3.58	-19.77	23.14	68.46	7.43	83.7	51.72	ND		4.02	10.91	3.49	4.72	9731.59	175.29	-0.29	6.83	-90.56	17.69	20.8	50.95	ND		234.26	39.76	5.17	3.59	42.01	2.68	-4.97	37.46	-2.92	1.13	39.56	33.53	104.36	3.91	993.49	293.6	198.68	5.05
12-Apr-12	29	21.67	wilder_5420	224	NA	1	1	4			195.4	10.57	<LOD	24.64	<LOD	75.94	262.96	14.48	<LOD	183.81	<LOD	1006.91	<LOD	43.57	<LOD	14.53	18688.79	294.11	<LOD	27.34	<LOD	53.09	<LOD	238.08	<LOD	0	608.69	59.92	<LOD	12.79	57.14	3.33	<LOD	121.48	<LOD	4.56	<LOD	119.03	108.27	4.31	2370.08	348.73	340.57	7.1
12-Apr-12	29	23.69	stroh 5434	161	NA	1	1	2			61	6	<LOD	14	<LOD	74	77	8	<LOD	120	<LOD	403	<LOD	35	<LOD	14	9698	179	<LOD	23	<LOD	58	<LOD	161	<LOD	0	462	48	<LOD	11	46	3	<LOD	118	<LOD	4	<LOD	109	71	3	2209	429	282	6
12-Apr-12	29	21.67	embree 5444	221	NA	3	2	30			183.26	10.49	-1.78	6.37	-16.5	26	368.85	17.43	88.79	60.17	ND		-4.22	12.57	3.71	5.65	11996	222.89	20.38	9.26	-36.99	20.05	27.38	62.57	ND		467.48	54.74	0.3	4.09	43.69	3.04	36.78	42.36	-0.89	1.65	76.65	38.16	87.24	4.04	3233.31	419.19	307.17	6.9
12-Apr-12	30	21.7	wilder_5420	224	NA	1	1	6			160.02	9.55	<LOD	22	<LOD	74.44	164.14	11.51	<LOD	178.16	<LOD	959.7	<LOD	40.99	<LOD	13	15872.44	258.66	<LOD	27.92	<LOD	51.78	<LOD	216.26	<LOD	0	551.78	56.24	<LOD	12.26	53.08	3.18	<LOD	121.74	<LOD	5.18	<LOD	115.97	105.5	4.19	1662.99	318.78	301.07	6.55
12-Apr-12	30	23.5	stroh 5434	175	NA	1	1	0			339	14	<LOD	29	<LOD	76	227	13	<LOD	151	<LOD	478	<LOD	46	<LOD	18	20387	305	<LOD	28	<LOD	61	403	83	<LOD	0	443	53	14	4	55	3	<LOD	123	<LOD	5	<LOD	113	112	4	3455	523	272	6
12-Apr-12	30	22.3	embree 5444	221	NA	3	2	30			134.32	9.44	-0.7	5.75	-0.42	26.4	269.25	15.52	29.86	55.96	ND		-7.74	12.75	4.06	5.73	10274.38	207.53	139.11	14.82	-59.39	20.52	101.16	61.3	ND		404.36	52.73	0.91	4.22	48.31	3.25	25.86	43.46	0.51	1.75	180.49	38.93	89.66	4.2	3214.84	414.85	300.92	7.03
12-Apr-12	31	18.4	wilder_5420	224	NA	1	1	6			211.28	9.99	<LOD	22.26	<LOD	68.52	200.24	11.65	<LOD	175.36	<LOD	895.41	<LOD	42.8	<LOD	13.64	18487.45	265.95	<LOD	24.09	<LOD	47.84	<LOD	214.38	<LOD	0	752.26	58.75	<LOD	11.21	58.65	3.07	<LOD	111.47	<LOD	4.25	<LOD	107.7	117.5	4.07	1826.26	301.34	281.05	5.87
12-Apr-12	31	23.63	stroh 5434	175	NA	1	1	0			232	11	<LOD	24	<LOD	75	201	12	<LOD	132	<LOD	428	<LOD	43	<LOD	14	17797	273	<LOD	28	<LOD	59	344	76	<LOD	0	445	51	15	4	58	3	<LOD	118	<LOD	4	<LOD	109	133	5	3137	479	268	6
12-Apr-12	31	20.76	embree 5444	221	NA	3	2	30			122.13	8.37	7.4	5.29	-31.66	24.66	190.84	12.41	146.22	59	ND		3.89	12.67	-3.6	4.64	10405.64	193.05	277.53	17.89	-3.27	19.16	119.38	57.35	ND		405.64	49.44	-0.1	3.91	58.17	3.23	-30.37	40.57	0	1.59	30.35	36.93	97.17	4.01	2768.12	374.43	341.38	6.94
12-Apr-12	32	21.26	wilder_5420	224	NA	1	1	6			163.66	9.13	<LOD	20.03	<LOD	69.59	186.87	11.55	<LOD	157.74	<LOD	814.43	<LOD	39.24	<LOD	13.59	14374.32	229.17	<LOD	25.98	<LOD	48.39	<LOD	199.82	<LOD	0	648.8	55.39	<LOD	11.26	55.75	3.06	<LOD	110.41	<LOD	4.83	<LOD	106.74	107.37	3.99	1499.2	279.19	236.82	5.52
12-Apr-12	32	23.59	stroh 5434	175	NA	1	1	0			208	11	<LOD	24	<LOD	75	187	12	<LOD	144	<LOD	423	<LOD	41	<LOD	14	17463	269	<LOD	29	<LOD	59	407	76	<LOD	0	474	52	13	4	56	3	<LOD	119	<LOD	5	<LOD	110	131	4	2554	460	273	6
12-Apr-12	32	22.66	embree 5444	224	NA	1	2	0			106.55	8.84	-5.1	5.25	12.12	27.73	135.54	11.64	-6.05	58.95	ND		-0.73	13.8	0.01	5.43	14264.75	266.25	17.11	9.61	-70.46	21.19	-2.89	71.43	ND		375.57	55.01	5.34	4.36	46.57	3.31	-57.78	44.53	-2.89	1.46	125.01	40.77	114.46	4.83	2354.22	410.57	258.06	6.75
12-Apr-12	33	20.71	wilder_5420	161	NA	1	1	0			103.3	7.5	<LOD	17.13	<LOD	70.33	124.84	9.62	<LOD	156.66	<LOD	921.77	<LOD	39.64	<LOD	12.37	12500.97	208.23	<LOD	22.24	<LOD	49.34	<LOD	187.59	<LOD	0	523.33	50.97	<LOD	11.67	55.04	3.04	<LOD	115.3	<LOD	4.28	<LOD	110.89	95.14	3.78	1850.61	307.87	322.42	6.4
12-Apr-12	33	23.66	stroh 5434	175	NA	1	1	0			206	11	<LOD	23	<LOD	74	207	12	<LOD	144	<LOD	440	<LOD	41	<LOD	17	17400	268	<LOD	26	<LOD	59	454	77	<LOD	0	487	52	19	4	56	3	<LOD	117	<LOD	5	<LOD	108	128	4	2418	465	274	6
12-Apr-12	33	22.26	embree 5444	224	NA	1	2	0			78.76	7.5	8.53	4.8	3.66	25.49	150.75	11.56	98.92	60.88	ND		27.5	14.33	-7.35	4.38	13530.21	244.12	15.22	8.98	-132.58	19.72	-26.84	65.81	ND		501.68	56.8	-7.53	3.96	46.52	3.14	-49.35	41.2	1.54	1.72	45.77	37.65	107.43	4.45	2245.8	374.21	235.44	6.13
12-Apr-12	34	20.34	wilder_5420	161	NA	1	1	0			91.73	7.19	<LOD	16.92	<LOD	71.16	143.31	10.21	<LOD	165.02	<LOD	898.95	<LOD	34.06	<LOD	12.56	11967.62	202.25	<LOD	22.8	<LOD	49.5	<LOD	180.5	<LOD	0	517.7	50.76	<LOD	11.81	57.9	3.1	<LOD	118.21	<LOD	4.76	<LOD	111.63	111.36	4.05	1696.61	299.47	374.37	6.95
12-Apr-12	34	23.6	stroh 5434	175	NA	1	1	0			239	11	<LOD	24	<LOD	75	216	13	<LOD	151	<LOD	409	<LOD	45	<LOD	16	17897	274	<LOD	27	<LOD	59	268	75	<LOD	0	508	54	<LOD	11	59	3	<LOD	120	<LOD	5	<LOD	110	132	4	2844	460	272	6
12-Apr-12	34	20.59	embree 5444	224	NA	1	2	0			86.11	7.34	13.02	4.82	9.84	24.96	125.09	10.16	-72.16	52.56	ND		11.36	13.85	-1.46	4.81	16264.85	261.43	21.18	8.93	-25.98	19.22	36.7	69.15	ND		606.81	58.14	6.84	4.02	67.44	3.46	45.78	40.68	-2.03	1.43	170.92	37.2	120.13	4.44	2902.61	411.81	352.42	7.11
12-Apr-12	35	19.34	wilder_5420	161	NA	1	1	0			156.37	9.12	<LOD	20.34	<LOD	72.93	185.72	11.76	<LOD	174.18	<LOD	895.39	<LOD	37.65	<LOD	15.15	12520.25	213.26	<LOD	25.59	<LOD	50.07	<LOD	187.3	<LOD	0	470.54	50.65	<LOD	11.74	51.82	3.04	<LOD	118.83	<LOD	4.51	<LOD	113.97	94.94	3.87	1956.1	308.81	312.79	6.45
12-Apr-12	35	23.65	stroh 5434	175	NA	1	1	0			224	11	<LOD	24	<LOD	76	204	12	<LOD	141	<LOD	440	<LOD	45	<LOD	16	17675	273	<LOD	28	<LOD	59	359	76	<LOD	0	485	53	<LOD	11	55	3	<LOD	120	<LOD	5	<LOD	110	131	4	2022	456	275	6
12-Apr-12	35	21.12	embree 5444	224	NA	1	2	2			119.7	8.59	10.1	5.49	-32.72	25.14	193.39	12.61	49.14	61.07	ND		28.44	14.98	6.15	5.58	16689.38	273.5	20.68	9.17	-48.99	19.63	22.38	71.59	ND		443.15	54.81	1.53	4	54.14	3.24	-59.63	41.6	-0.85	1.57	48.47	37.5	95.72	4.12	1694.83	384.19	288.4	6.56
12-Apr-12	36	20.16	wilder_5420	161	NA	4			swingset		65.39	6.26	<LOD	14.31	<LOD	70.39	70.92	7.63	<LOD	175.32	<LOD	919.04	<LOD	38.89	<LOD	15.1	13109.7	212.12	<LOD	24.1	<LOD	48.78	<LOD	188.56	<LOD	0	493.05	50.07	<LOD	11.43	55.86	3.02	<LOD	116.09	<LOD	3.98	<LOD	111.59	120.74	4.15	1669.21	301.43	340.79	6.53

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-
12-Apr-12	36	23.61	stroh 5434	175	NA	1	1	0			234	11
12-Apr-12	36	20.87	embree 5444	224	NA	1	2	2			65.69	6.78
12-Apr-12	37	20.42	wilder_5420	161	NA	4			swingset		62.65	6.87
12-Apr-12	37	23.65	stroh 5434	175	NA	1	1	0			231	11
12-Apr-12	37	20.8	embree 5444	224	NA	1	2	2			62.36	6.63
12-Apr-12	38	19.49	wilder_5420	175	NA	1	1	2			154.55	8.87
12-Apr-12	38	23.58	stroh 5434	175	NA	1	1	0			256	12
12-Apr-12	38	21.79	embree 5444	224	NA	1	2	4			120.09	8.67
12-Apr-12	39	19.34	wilder_5420	175	NA	1	1	2			139.79	8.62
12-Apr-12	39	24.02	stroh 5434	175	NA	1	1	0			260	13
12-Apr-12	39	20.57	embree 5444	224	NA	1	2	4			89.76	7.38
12-Apr-12	40	20.5	wilder_5420	175	NA	1	1	2			158.33	8.6
12-Apr-12	40	24.24	stroh 5434	164	NA	1	1	0			96	8
12-Apr-12	40	20.25	embree 5444	224	NA	1	2	4			57.23	6.44
12-Apr-12	41	20.72	wilder_5420	164	NA	3	1	30			212.5	9.9
12-Apr-12	41	24.51	stroh 5434	164	NA	1	1	0			133	8
12-Apr-12	41	20.19	embree 5444	224	NA	1	2	6			95.22	7.2
12-Apr-12	42	19.98	wilder_5420	164	NA	3	1	30			327.07	12.21
12-Apr-12	42	25.48	stroh 5434	164	NA	1	1	0			98	8
12-Apr-12	42	20.53	embree 5444	224	NA	1	2	6			84.9	7.13
12-Apr-12	43	19.49	wilder_5420	164	NA	3	1	30			281.99	12.26
12-Apr-12	43	21.82	stroh 5434	158	NA	4			play area		68	5
12-Apr-12	43	20.94	embree 5444	224	NA	1	2	6			52.65	6.48
12-Apr-12	44	20.67	wilder_5420	164	NA	3	2	30			306.13	13.41
12-Apr-12	44	21.88	stroh 5434	158	NA	4			play area		71	5
12-Apr-12	44	21.98	embree 5444	224	NA	3	2	30			379.3	14.64
12-Apr-12	45	19.1	wilder_5420	164	NA	3	2	30			277.7	11.92
12-Apr-12	45	22.61	stroh 5434	158	NA	4			play area		82	6
12-Apr-12	45	21.75	embree 5444	224	NA	3	2	30			505.92	17.26
12-Apr-12	46	20.77	wilder_5420	164	NA	3	2	30			364.24	13.7
12-Apr-12	46	22.13	stroh 5434	158	NA	4			play area		101	6
12-Apr-12	46	21.42	embree 5444	224	NA	3	2	30			455.18	16.24
12-Apr-12	47	20.82	wilder_5420	157	NA	1	1	0			213.8	13.25
12-Apr-12	47	22.73	stroh 5434	180	NA	3	2	30			127	7
12-Apr-12	47	22.26	embree 5444	224	NA	3	2	2			306.42	13.45
12-Apr-12	48	20.56	wilder_5420	157	NA	1	1	0			106.75	7.98
12-Apr-12	48	22.43	stroh 5434	180	NA	3	2	30			100	7
12-Apr-12	48	22.11	embree 5444	224	NA	3	2	2			310.95	12.07
12-Apr-12	49	21.25	wilder_5420	157	NA	1	1	0			255.59	11.86
12-Apr-12	49	23.11	stroh 5434	180	NA	3	2	30			114	7
12-Apr-12	49	22	embree 5444	224	NA	3	2	2			190.2	9.49
12-Apr-12	50	19.4	wilder_5420	157	NA	1	1	2			105.84	7.58
12-Apr-12	50	22.8	stroh 5434	180	NA	3	1	30			34	5
12-Apr-12	50	22.91	embree 5444	175	NA	3	1	30			186.94	10.98
12-Apr-12	51	17.51	wilder_5420	157	NA	1	1	2			99.93	6.41
12-Apr-12	51	23.2	stroh 5434	180	NA	3	4	30			136	9
12-Apr-12	51	20.3	embree 5444	175	NA	3	1	30			118.37	7.88
12-Apr-12	52	19.13	wilder_5420	157	NA	1	1	2			100.01	7.21
12-Apr-12	52	22.92	stroh 5434	180	NA	3	4	30			131	8
12-Apr-12	52	21.58	embree 5444	175	NA	3	1	30			236.69	11.45
12-Apr-12	53	21.19	wilder_5420	158	NA	1	1	0			254.17	11.32
12-Apr-12	53	23.39	stroh 5434	180	NA	3	4	30			109	8
12-Apr-12	53	21.7	embree 5444	175	NA	3	2	30			345.49	14.16
12-Apr-12	54	19.09	wilder_5420	158	NA	1	1	0			232.92	10.77
12-Apr-12	54	48.02										
12-Apr-12	54	22.29	embree 5444	175	NA	3	2	30			332.49	14.17
12-Apr-12	55	18.92	wilder_5420	158	NA	1	1	0			210.69	10.06
12-Apr-12	55	23.49	stroh 5434		2586						357	15
12-Apr-12	55	22.99	embree 5444	175	NA	3	2	30			316.84	14.24
12-Apr-12	56	19.72	wilder_5420	158	NA	1	1	2			145.55	7.83
12-Apr-12	56	23.32	stroh 5434		2586						413	16
12-Apr-12	56	22.54	embree 5444	175	NA	3	3	30			223.52	11.9
12-Apr-12	57	18.82	wilder_5420	158	NA	1	1	2			160.94	8.73
12-Apr-12	57	22.99	stroh 5434	159	NA	3	2	30			242	10
12-Apr-12	57	20.97	embree 5444	175	NA	3	3	30			172.67	9.71
12-Apr-12	58	18.73	wilder_5420	158	NA	1	1	2			165.56	7.98
12-Apr-12	58	23.26	stroh 5434	159	NA	3	1	30			402	14
12-Apr-12	58	21.55	embree 5444	175	NA	3	3	30			434.97	15.87
12-Apr-12	59	19.07	wilder_5420	158	NA	3	4	30			62.91	5.77
12-Apr-12	59	22.72	stroh 5434	159	nist low	3	1	30			314	12
12-Apr-12	59	20.38	embree 5444	175	NA	3	3	2			276.21	10.89
12-Apr-12	60	16.69	wilder_5420	158	NA	3	4	30			75.47	5.71
12-Apr-12	60	24.08	stroh 5434	159	NA	3	1	30			306	11
12-Apr-12	60	23.01	embree 5444	175	NA	3	3	2			226.32	12.47
12-Apr-12	61	19.84	wilder_5420	158	NA	3	4	30			51.01	5.07
12-Apr-12	61	23.21	stroh 5434	159	NA	3	1	2			363	13
12-Apr-12	61	19.96	embree 5444	175	NA	3	3	2			358.95	13.05
12-Apr-12	62	17.23	wilder_5420	158	NA	3	3	30			190.48	8.74
12-Apr-12	62	23.39	stroh 5434	159	NA	3	1	2			377	13
12-Apr-12	62	20.69	embree 5444	157	NA	3	1	30			32.24	4.88
12-Apr-12	63	18.17	wilder_5420	158	NA	3	3	30			181.33	8.51
12-Apr-12	63	22.57	stroh 5434	159	NA	3	1	2			344	12
12-Apr-12	63	18.78	embree 5444	157	NA	3	1	30			37.49	4.98
12-Apr-12	64	18.36	wilder_5420	158	NA	3	3	30			209.34	9.01
12-Apr-12	64	25.03	stroh 5434	160	NA	1	2	0			1174	27
12-Apr-12	64	19.74	embree 5444	157	NA	3	1	30			50.68	5.7
12-Apr-12	65	18.25	wilder_5420	158	NA	3	2	30			298.4	10.4
12-Apr-12	65	23.98	stroh 5434	160	NA	1	2	0			1097	28
12-Apr-12	65	19.08	embree 5444	157	NA	3	2	2			88.94	6.27
12-Apr-12	66	17.12	wilder_5420	158	NA	3	2	30			203.59	9.19
12-Apr-12	66	24.67	stroh 5434	160	NA	1	2	0			1730	42
12-Apr-12	66	20.85	embree 5444	157	NA	3	2	2			80.02	6.34
12-Apr-12	67	17.5	wilder_5420	158	NA	3	2	30			328.19	10.26
12-Apr-12	67	24.68	stroh 5434	160	NA	1	2	2			661	18
12-Apr-12	67	19.41	embree 5444	157	NA	3	2	2			66.69	5.6
12-Apr-12	68	56.71										
12-Apr-12	68	24.9	stroh 5434	160	NA	1	2	2			1048	24
12-Apr-12	68	20.72	embree 5444	157	NA	3	3	30			43.83	5.66
12-Apr-12	69	21.82	wilder_5420	159	NA	1	1	0			743.28	21.16
12-Apr-12	69	23.19	stroh 5434	160	NA	1	2	2			1137	25
12-Apr-12	69	19.54	embree 5444	157	NA	3	3	30			95.04	7.26
12-Apr-12	70	20.53	wilder_5420	159	NA	1	1	0			747.15	21.25
12-Apr-12	70	23.82	stroh 5434	160	NA	1	2	4			384	15
12-Apr-12	70	21.33	embree 5444	157	NA	3	3	30			61.66	6.3
12-Apr-12	71	21.3	wilder_5420	159	NA	1	1	0			1729.02	35.71
12-Apr-12	71	23.85	stroh 5434	160	NA	1	2	4			476	16
12-Apr-12	71	21.7	embree 5444	157	NA	3	4	30			48.92	6.42
12-Apr-12	72	20.36	wilder_5420	159	NA	1	1	2			236.59	10.45
12-Apr-12	72	23.06	stroh 5434	160	NA	1	2	4			413	14
12-Apr-12	72	53.65										
12-Apr-12	73	20.35	wilder_5420	159	NA	1	1	2			241.38	10.39
12-Apr-12	73	23.32	stroh 5434	160	NA	1	2	6			370	13
12-Apr-12	73	21.18	embree 5444	157	NA	3	4	30			40.6	5.75
12-Apr-12	74	20.48	wilder_5420	159	NA	1	1	2			278.28	10.99
12-Apr-12	74	23.07	stroh 5434	160	NA	1	2	6			361	12
12-Apr-12	74	20.62	embree 5444	157	NA	3	4	30			57.59	6.18
12-Apr-12	75	20.64	wilder_5420		2711						1149.18	26.13
12-Apr-12	75	23.52	stroh 5434	160	NA	1	2	6			398	14
12-Apr-12	75	20.41	embree 5444	180	NA	1	1	0			139.1	8.42
12-Apr-12	76	20.62	wilder_5420		2586						403.08	15.3
12-Apr-12	76	22.93	stroh 5434	179	NA	3	1	30			91	7
12-Apr-12	76	20.2	embree 5444	180	NA	1	1	0			112.78	7.65
12-Apr-12	77	19.3	wilder_5420	159	NA	1	2	0			401.98	13.03
12-Apr-12	77	22.94	stroh 5434	179	NA	3	1	30			72	6
12-Apr-12	77	20.37	embree 5444	180	NA	1	1	0			128.7	8.1
12-Apr-12	78	18.19	wilder_5420	159	NA	1	2	0			847.21	20.16
12-Apr-12	78	23.06	stroh 5434	179	NA	3	1	30			40	6
12-Apr-12	78	21.91	embree 5444	180	NA	1	3	30			108.12	8.44
12-Apr-12	79	17.88	wilder_5420	159	NA	1	2	0			547.39	15.37
12-Apr-12	79	22.21	stroh 5434	179	NA	3	2	30			173	8
12-Apr-12	79	19.95	embree 5444	180	NA	1	3	30			99.57	7.49
12-Apr-12	80	18.44	wilder_5420	159	NA	1	2	4			195.33	8.84
12-Apr-12	80	44.34										
12-Apr-12	80	20.76	embree 5444	180	NA	1	3	30			104.22	7.81
12-Apr-12	81	18.36	wilder_5420	159	NA	1	2	4			232.05	9.06
12-Apr-12	81	23.44	stroh 5434		2711						1225	27
12-Apr-12	81	55.93										
12-Apr-12	82	17.8	wilder_5420	159	NA	1	2	4			222.7	9.16
12-Apr-12	82	23.8	wilder 5434	218	blank	1	1	0			193	8
12-Apr-12	82	20.07	embree 5444		NIST 2586						417.81	15.53
12-Apr-12	83	20.45	wilder_5420	160	NA	1	1	0			1941.99	41.25
12-Apr-12	83	22.71	wilder 5434	218	blank	1	1	0			132	7

Reading	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE
36	<LOD	25	<LOD	76	206	12	<LOD	141	<LOD	438	<LOD	43	<LOD	17	18237	280	<LOD	28	<LOD	60	353	78	<LOD
36	9.28	4.38	6.8	25.31	138.97	10.76	43.22	59.75	ND		22.66	14.68	3.82	5.28	16006.05	262.03	15.13	8.76	-7.2	19.59	67.83	69.99	ND
37	<LOD	15.41	<LOD	78.1	81.76	8.95	<LOD	199.57	<LOD	1000.8	<LOD	43.8	<LOD	17.4	15428.85	262.38	<LOD	27.92	<LOD	54.58	<LOD	223.77	<LOD
37	<LOD	24	<LOD	75	195	12	<LOD	150	<LOD	417	<LOD	40	<LOD	16	17706	272	<LOD	27	<LOD	59	<LOD	217	<LOD
37	6.66	4.22	54.14	25.72	128.74	10.42	172.93	65.6	ND		17.49	14.85	-2.52	4.76	15514.47	256.75	10.87	8.56	-41.29	19.44	159.06	70.43	ND
38	<LOD	20.05	<LOD	68.53	199.38	11.85	<LOD	171.6	<LOD	864.11	<LOD	38.31	<LOD	12.79	16078.47	246.13	<LOD	25.24	<LOD	48.15	<LOD	209.16	<LOD
38	<LOD	25	<LOD	75	209	12	<LOD	138	<LOD	403	<LOD	44	<LOD	17	17107	262	<LOD	28	<LOD	58	292	73	<LOD
38	6.17	5.45	-3.54	25.36	225.09	13.65	61.87	60.29	ND		25.5	14.81	9.77	5.9	14757.4	253.91	21.97	9.28	-79.49	19.66	72.1	68.96	ND
39	27.59	7.01	<LOD	71.2	161.47	10.96	<LOD	172.11	<LOD	910.99	<LOD	36.23	<LOD	13.6	15094.38	239.36	<LOD	26.23	<LOD	49.32	<LOD	206.2	<LOD
39	<LOD	27	<LOD	82	245	14	<LOD	144	<LOD	439	<LOD	43	<LOD	18	15873	269	<LOD	26	<LOD	63	301	77	<LOD
39	1.14	4.52	-1.26	24.59	167.21	11.35	-4.72	54.39	ND		18.92	13.67	7.38	5.41	14723.75	241.54	2.38	7.71	-56.81	18.83	40.6	65.3	ND
40	24.55	6.88	<LOD	65.87	190.51	11.16	<LOD	155.43	<LOD	796.38	<LOD	37.03	<LOD	13.71	15744.95	232.96	25.75	8.34	<LOD	45.99	<LOD	198.38	<LOD
40	38	7	<LOD	80	120	10	<LOD	160	<LOD	433	<LOD	44	<LOD	16	14976	261	<LOD	29	<LOD	63	409	77	<LOD
40	2.73	3.98	8.06	25.4	86.42	8.83	54.6	58.04	ND		-3.29	13.37	2.42	5.17	14133.12	238.75	-8.16	7.54	-1.31	19.48	59.2	65.84	ND
41	<LOD	23.02	<LOD	66.58	183.03	11.06	<LOD	150.81	<LOD	734.7	<LOD	35.06	<LOD	12.88	11374.55	189.87	<LOD	23.87	<LOD	46.48	<LOD	173.34	<LOD
41	<LOD	18	<LOD	67	119	9	<LOD	122	<LOD	358	<LOD	38	<LOD	14	14788	216	<LOD	24	<LOD	53	362	64	<LOD
41	0.42	4.4	34.16	23.27	150.91	10.39	155.67	56.39	ND		32.74	13.04	-5.9	4.06	13209.38	215.05	19.84	8.23	-111.98	17.69	-31.92	58.37	ND
42	<LOD	27.3	<LOD	68.62	268.9	13.28	<LOD	168.16	<LOD	878.6	<LOD	39.9	<LOD	14.36	14320.75	221.47	26.3	8.62	<LOD	47.62	<LOD	188.88	<LOD
42	46	7	<LOD	75	127	10	204	56	<LOD	440	<LOD	39	<LOD	14	15355	250	59	11	<LOD	59	<LOD	206	<LOD
42	7.84	4.54	-6.28	24.18	151.99	10.72	2.23	53.18	ND		6.17	12.52	-0.03	4.75	13539.39	224.78	6.75	7.78	-69.19	18.47	22.69	61.62	ND
43	38.73	9.73	<LOD	74.37	274.82	14.46	<LOD	173.24	<LOD	984.36	<LOD	38.45	<LOD	14.47	16327.29	261.24	<LOD	27.7	<LOD	51.75	<LOD	214.56	<LOD
43	<LOD	11	<LOD	58	118	7	<LOD	86	<LOD	294	<LOD	28	<LOD	11	7968	126	<LOD	18	<LOD	45	127	40	<LOD
43	3.63	4	12.01	25.96	107.97	9.88	8.83	59.34	ND		4.43	14.97	3.77	5.36	17065.43	279.31	14.24	8.9	15.1	20.1	200.94	75.4	ND
44	<LOD	30.02	<LOD	75.9	258.45	14.74	<LOD	204.21	<LOD	1059.07	<LOD	42.85	<LOD	16.69	17503.76	287.79	<LOD	28.64	<LOD	54.09	<LOD	241.22	<LOD
44	<LOD	11	<LOD	56	84	6	<LOD	85	<LOD	243	<LOD	27	<LOD	11	5749	102	<LOD	18	<LOD	44	126	34	<LOD
44	12.72	9.01	1.17	25.02	500.41	20.03	4.6	54.33	ND		13.62	12.52	-9.29	4.69	10844.47	206.05	11.49	8.55	-98.88	19.46	-36.38	57.61	ND
45	<LOD	27.22	<LOD	72.44	267.01	13.99	<LOD	185.84	<LOD	967.88	<LOD	44.18	<LOD	17.21	16879.66	261.77	<LOD	27.44	<LOD	50.79	<LOD	219.47	<LOD
45	<LOD	13	<LOD	63	61	6	<LOD	96	<LOD	286	<LOD	26	<LOD	13	6267	117	<LOD	19	<LOD	49	<LOD	116	<LOD
45	18.55	10.54	6.15	25.81	512.65	20.67	-24.8	57.52	ND		22.27	13.7	6.61	6.26	12925.22	235.19	25.99	9.73	-90.56	19.92	-77.77	63.23	ND
46	<LOD	30.74	<LOD	73.71	328.9	15.54	<LOD	186.12	<LOD	942.54	<LOD	42.03	<LOD	14.39	18199.13	277.46	36.07	9.6	<LOD	51.03	<LOD	228.68	<LOD
46	<LOD	14	<LOD	63	118	8	<LOD	107	<LOD	301	<LOD	27	<LOD	11	7532	128	<LOD	20	<LOD	48	222	43	<LOD
46	38.64	10.25	-10.6	26.35	492.43	20.08	104.41	66.3	ND		7.25	13.23	0.12	5.72	13449.09	239.77	0.98	8.12	-24.26	20.14	12.67	65.4	ND
47	<LOD	30.16	<LOD	92.01	334.18	19.24	<LOD	250.74	1999.91	502.88	<LOD	64.57	<LOD	22.79	31136.65	507.03	81.28	14.19	87.53	21.89	<LOD	364.57	<LOD
47	<LOD	15	<LOD	62	126	8	<LOD	102	<LOD	302	<LOD	31	<LOD	12	7628	132	<LOD	19	<LOD	48	<LOD	125	<LOD
47	1.81	8.2	-14.76	25.8	275.75	15.28	27.32	55.54	ND		-7.41	12	-6.5	4.8	11583.02	220.19	19.52	9.14	-129.33	19.76	2.18	61.63	ND
48	<LOD	18.71	<LOD	73.98	133.53	10.37	<LOD	188.57	<LOD	1052.49	<LOD	47.65	<LOD	16.24	22705.92	326.24	32.17	9.55	<LOD	51.92	<LOD	250.37	<LOD
48	<LOD	14	<LOD	63	134	9	<LOD	102	<LOD	327	<LOD	32	<LOD	12	10909	165	<LOD	18	<LOD	49	182	50	<LOD
48	11.02	7.48	29.04	22.73	310.27	14.38	77.34	54.02	ND		25.59	12.35	7.54	5.36	12208.48	202.36	8.71	7.65	-138.77	17.46	-47.82	55.46	ND
49	<LOD	27.06	<LOD	71.22	259.87	14.33	<LOD	173.18	<LOD	818.42	<LOD	38.09	<LOD	13.57	13573.31	234.74	34.02	9.74	<LOD	50.06	<LOD	203.12	<LOD
49	<LOD	15	<LOD	65	101	8	<LOD	93	<LOD	298	<LOD	31	<LOD	13	7883	141	<LOD	21	<LOD	51	152	45	<LOD
49	18.06	6.13	-36.43	22.71	236.34	12.51	103.03	52.14	ND		16.56	11.63	0.2	4.64	10505.59	182.21	6.32	7.3	-142.7	17.26	5.36	52.01	ND
50	<LOD	17.6	<LOD	69.68	119.35	9.46	<LOD	149.21	<LOD	803.61	<LOD	38.02	<LOD	13.19	12734.08	210.84	<LOD	22.66	<LOD	48.72	<LOD	187.95	<LOD
50	<LOD	11	<LOD	70	50	6	<LOD	106	<LOD	403	<LOD	37	<LOD	14	13834	209	<LOD	21	<LOD	55	278	61	<LOD
50	2.48	6.76	-48.65	26.17	253.65	15.12	50.55	57.37	ND		7.83	13.54	9.52	6.17	10126.67	207.79	28.16	9.89	-173.85	20.09	115.07	61.61	ND
51	<LOD	14.82	<LOD	59.41	125.11	8.4	<LOD	119.74	<LOD	661.11	<LOD	30.2	<LOD	10.42	8713.28	144.6	<LOD	18.84	<LOD	40.86	<LOD	138.96	<LOD
51	<LOD	18	<LOD	75	137	10	<LOD	133	<LOD	411	<LOD	40	<LOD	16	14311	227	<LOD	27	<LOD	58	255	66	<LOD
51	10.22	5.04	-2.92	23.16	134.5	9.9	57.89	51.45	ND		19.59	13.07	-4.26	4.25	11914.27	201.37	11.13	7.76	-87.45	17.86	147.51	58.5	ND
52	<LOD	16.72	<LOD	68.3	123.22	9.36	<LOD	143.63	<LOD	726.96	<LOD	31.31	<LOD	11.81	10823.47	185.56	<LOD	22.28	<LOD	47.15	<LOD	170.1	<LOD
52	<LOD	17	<LOD	67	246	12	<LOD	108	<LOD	360	<LOD	37	<LOD	15	10159	168	<LOD	23	<LOD	52	<LOD	153	<LOD
52	4.46	7.05	-7.6	24.6	277.66	14.72	79.35	58.17	ND		-0.55	12.9	0.31	5.15	12403.05	220.97	15.71	8.59	-94.02	19.12	135.42	63.31	ND
53	<LOD	24.59	<LOD	70.86	221.87	12.71	<LOD	154.15	<LOD	864.61	<LOD	37.43	<LOD	14.35	14250.45	231.45	27.58	8.98	<LOD	49.8	<LOD	200.42	<LOD
53	<LOD	17	<LOD	72	223	12	<LOD	141	<LOD	459	<LOD	41	<LOD	16	12963	211	<LOD	24	<LOD	57	274	63	<LOD
53	11.94	8.74	-1.01	25.25	401.68	18.18	69.62	62.58	ND		-17.93	13.58	-8.93	4.73	16201.09	272.87	32.45	9.91	-121.15	19.63	190.55	74.36	ND
54	<LOD	24.4	<LOD	70.82	213.48	12.39	<LOD	177.69	1100.71	320.93	<LOD	38.22	<LOD	15.12	16521.64	253.25	34.39	9.19	<LOD	49.53	<LOD	213.17	<LOD
54																							
54	33.51	9.11	-6.94	25.83	389.12	18.3	116.04	64.51	ND		-21.53	12.97	1.78	5.74	14793.92	261.7	74.84	12.08	-148.18	19.88	146.3	72.14	ND
55	<LOD	23.52	<LOD	68.8	209.69	11.98	<LOD	157.34	<LOD	850.56	<LOD	36.26	<LOD	12.06	13011.27	210.91	<LOD	24.65	<LOD	47.89	<LOD	184.41	<LOD
55	<LOD	30	<LOD	81	256	14	225	72	693	208	<LOD	61	<LOD	18	41707	549	35	11	<LOD	63	687	121	<LOD
55	-1.24	8.61	25.87	26.25	323.16	17.14	6.83	56.9	ND		-11.85	12.85	-5.18	5.16	12080.01	235.53	12.39	9.15	-150.01	20.47	84.08	66.81	ND
56	<LOD	17.82	<LOD	62.53	204.01	10.89	<LOD	137.87	<LOD	734.35	<LOD	29.62	<LOD	10.76	9352.58	157.44	<LOD	20.56	<LOD	43.33	155.2	50.15	<LOD
56	<LOD	33	<LOD	81	290	15	246	74	<LOD	597	<LOD	64	<LOD	21	47430	609	45	11	<LOD	64	934	130	<LOD
56	18.45	7.61	13.69	26.2	354.14	17.71	296.1	73.79	ND		15.28	13.94	-2.31	5.33	14023.06	256.58	48.7	11.09	-117.12	20.36	-61.86	68.08	ND
57	<LOD	19.7	<LOD	67.88	165.35	10.55	<LOD	142.89	<LOD	856.06	<LOD	32.04	<LOD	13.17	9387.89	168.24	<LOD	21.05	<LOD	47.12	<LOD	155.92	<LOD
57	<LOD	22	<LOD	69	215	11	<LOD	125	<LOD	368	<LOD	39	<LOD	14	12256	194	<LOD	23	<LOD	55	187	57	<LOD
57	1.6	5.97	4.68	24.57	644.34	22.03	-46.93	48.64	ND		-1.67	12.13	-4.21	4.89	11617.08	207.6	24.64	9.02	-62.01	18.91	60.16	59.22	ND
58	<LOD	18.05	<LOD	60.59	204.09	10.49	<LOD	103.82	<LOD	717.67	<LOD	31.4	<LOD	13.95	8555.95	143.35	<LOD	21.18	<LOD	41.72	<LOD	133.92	<LOD
58	<LOD	28	<LOD	73	367	15	<LOD	133	<LOD	381	<LOD	39	<LOD	16	11903	198	<LOD	25	<LOD	56	<LOD	175	<LOD
58	26.33	9.88	-8.51	25.66	465.3	19.52	61.91	60.76	ND		-8.11	12.97	-2.15	5.48	14649.81	253.85	29.7	9.8	-77.76	19.79	34.63	68.56	ND
59	19.26	4.76	<LOD	62.83	123.91	8.93	<LOD	127.31	<LOD	761.17	<LOD	26.48	<LOD	12.22	6034.71	123.88	<LOD	19.04	<LOD	43.89	<LOD	119.73	<LOD
59	<LOD	24	<LOD	68	343	14	<LOD	127	<LOD	342	<LOD	34	<LOD	13	11653	183	36	9	<LOD	53	290	57	<LOD
59	7.9	6.74	-9.83	21.2	318.2	13.93	72.53	47.18	ND		3.03	10.03	-5.72	4.07	8374.96	152.18	35.62	8.33	-196.01	16.33	23.27	45.41	ND
60	14.41	4.59	<LOD	60.57	111.83	7.97	<LOD	110.75	<LOD	635.81	<LOD	24.93	<LOD	11.8	5476.32	109.15	<LOD	18.32	<LOD	41.35	<LOD	109.3	<LOD
60	<LOD	24	<LOD	66	341	14	<LOD	126	<LOD	360	<LOD	35	<LOD	15	13034	191	25	8	<LOD	51	218	56	<LOD
60	20.58	8	-22.59	27.84	263.7	15.94	-27.97	53.4	ND		11.56	13.62	-7.19	5.03	10058.19	214.46	18.26	9.81	-76.69	21.43	-10.47	61.18	ND
61	14.24	4.13	<LOD	60.29	94.33	7.57	<LOD	124.49	<LOD	591.12	<LOD	22.4	<LOD	10.47	4615.14	101.13	<LOD	18.26	<LOD	41.44	<LOD	103.86	<LOD
61	<LOD	27	<LOD	70	1126	27	<LOD	119	<LOD	393	<LOD	41	<LOD	17	13349	211	<LOD	26	<LOD	55	193	61	<LOD
61	5.37	7.96	-2.3	23.21	452.45	17.45	109.56	55.55	ND		28.33	13.84	3.33	5.24	13709.25	219.71	22.27	8.55	-80.21	17.83	139.69	61.85	ND
62	<LOD	20.14	<LOD	63.17	299.45	12.92	<LOD	132.94	<LOD	699.92	<LOD	29.63	<LOD	12.56	6907.94	129.8	<LOD	20.85	<LOD	43.21	<LOD	128.49	<LOD
62	<LOD	29	<LOD	71	354	15	<LOD	128	<LOD	399	<LOD	37	<LOD	16	12573	205	29	9	<LOD	56	278	62	<LOD
62	4.74	3.07	0.14	22.43	41.22	6.07	-12.57	42.77	ND		2.58	10.05	-8.99	3.47	7130.46	142.33	0.51	6.62	-135.64	17.16	33.68	43.7	ND
63	<LOD	19.15	<LOD	63.98	198.64	10.61	<LOD	131.65	<LOD	730.42	<LOD	30.57	<LOD	13.66	7812.14	139.09	<LOD	20.66	<LOD	43.84	<LOD	133.68	<LOD
63	<LOD	25	<LOD	65	280	12	<LOD	104	<LOD	349	<LOD	31	<LOD	13	10796	168	<LOD	24	<LOD	51	238	52	<LOD
63	5.55	3.17	72.44	22.7	62.65	6.99	47.08	50.24	ND		19.55	11.9	-0.33	4.28	11362.92	185.23	41.6	8.77	-19.73	17.28	49.79	53	ND
64	<LOD	20.09	<LOD	62.96	240.43	11.51	<LOD	120.3	<LOD	702.22	<LOD	27.33	<LOD	12.91	6467.43	123.26	<LOD	22.07	<LOD	43.06	<LOD	123.53	<LOD
64	<LOD	52	<LOD	79	665	23	<LOD	165	<LOD	453	<LOD	49	<LOD	20	24923	358	135	14	<LOD	62	477	92	<LOD
64	-0.64	3.42	39.5	23.55	50.05	6.7	150.44	57.62	ND		7.52	11.59	-4.53	4.11	11492.45	194.12	22.82	8.24	-45.72	17.88	2.91	54.68	ND
65	<LOD	23.07	<LOD	60.62	202.82	10.39	<LOD	138.26	<LOD	648.97	<LOD	28.83	<LOD	11.93	7887.02	135.63	<LOD	20.68	<LOD	41.44	<LOD	130.16	<LOD
65	<LOD	55	<LOD	83	842	28	<LOD	177	<LOD	468	<LOD	52	<LOD	20	24536	382	117	15	<LOD	67	388	97	<LOD
65	12.24	4.1	0.18	20.31	80.74	7.14	-35.66	37.76	ND		-1.13	9.31	-1.58	3.87	8486.25	145.6	3.35	6.19	-189.02	15.48	34.3	43.53	ND
66	<LOD	20.71	<LOD	65.6	127.93	8.95	<LOD	131.59	<LOD	627.96	<LOD	34.09	<LOD	14.02	7333.18	136.94	<LOD	21.04	<LOD	44.98	<LOD	130.96	<LOD
66	<LOD	81	<LOD	99	979	35	<LOD	213	<LOD	581	<LOD	65	<LOD	27	27651	487	235	22	<LOD	79	708	124	<LOD
66	-0.48	3.85	-21.96	21.2	78.15	7.43	-59.74	36.58	ND		-4.97	8.69	-3.65	3.86	5471.47	118.55	3.13	6.45	-186.87	16.41	19.78	37.48	ND
67	<LOD	23.69	<LOD	55.6	179.16	9.26	<LOD	102.97	<LOD	532.47	<LOD	24.96	<LOD	10.61	5119.64	99.21	<LOD	19.59	<LOD	38.31	<LOD	102	<LOD
67	60	13	78	24	853	24	<LOD	147	<LOD	468	<LOD	47	<LOD	21	24570	336	101	13	<LOD	58	392	86	<LOD
67	2.41	3.47	9.03	20.48	75.15	6.94	12.67	40.27	ND		-0.91	9.14	-0.34	3.93	6738.61	126.49	10.37	6.52	-150.62	15.65	76.88	39.96	ND
68																							
68	<LOD	48	<LOD	72	636	21	<LOD	143	<LOD	368	<LOD	43	<LOD	20	19703	285	102	12	<LOD	57	350	78	<LOD
68	16.13	3.91	41.85	24.16	94.85	8.78	94.67	57.69	ND		10.15	13.01	1.15	4.76	15015.24	240.99	18.34	8.31	-44.53	18.57	60.26	65.07	ND
69	<LOD	45.82	<LOD	78.19	547.04	21.46	<LOD	196.46	<LOD	972.64	<LOD	46.37	<LOD	18.5	21764.58	336.8	121.1	13.94	<LOD	54.73	<LOD	259.21	<LOD
69	<LOD	50	<LOD	75	747	23	<LOD	152	<LOD	440	<LOD	49	<LOD	19	23302	329	113	13	<LOD	59	283	84	<LOD
69	14.32	4.76	35.98	23.71	131.94	9.88	22.63	57.11	ND		28.37	14.32	5.16	5.06	19682.81	283.49	35.68	9.16	-10.49	18.29	11.07	71.48	ND
70	<LOD	45.65	<LOD	77.66	491.2	20.3	<LOD	177.77	<LOD	988.87	<LOD	44.05	<LOD	16.22	17610.6	289.99	80.13	12.29	<LOD	54.15	<LOD	238.31	<LOD
70	<LOD	31	<LOD	78	530	20	<LOD	140	<LOD	439	<LOD	44	<LOD	16	16771	272	31	10	<LOD	62	309	77	<LOD
70	2.6	3.9	16.56	23.68	80.48	8.27	-1.33	50.82	ND		5.83	11.88	-2.36	4.41	12403.48	213.16	36.44	9.16	-139.77	18.17	-4.51	58.8	ND
71	<LOD	70.29	<LOD	81.04	1016.16	30.67	252.87	80.25	<LOD	1081.11	<LOD	54.24	<LOD	23.29	26198.47	396.8	202.13	17.37	<LOD	57.35	<LOD	289.82	<LOD
71	<LOD	34	<LOD	77	546	20	<LOD	130	<LOD	404	<LOD	43	<LOD	17	15395	253	38	10	<LOD	60	352	73	<LOD
71	7.16	4.1	16.74	26.14	91.42	9.46	7.06	60.15	ND		-6.22	13.79	-2.51	4.88	17624.76	293.48	26.19	9.64	-43.55	20.32	24.85	75.82	ND
72	<LOD	23.52	<LOD	67.66	164.01	10.55	<LOD	140.31	<LOD	828.87	<LOD	35.29	<LOD	12.89	13323.41	211.06	<LOD	23.03	<LOD	47.1	<LOD	181.57	<LOD
72	33	10	<LOD	69	580	19	<LOD	147	<LOD	390	<LOD	41	<LOD	16	17377	248	46	10	<LOD	55	289	69	<LOD
72																							
73	<LOD	23.58	<LOD	66.77	254.05	12.72	<LOD	155.68	<LOD	782.33	<LOD	31.41	<LOD	14.81	12148.55	196	<LOD	22.76	<LOD	46.24	<LOD	174.82	<LOD
73	<LOD	29	<LOD	73	618	20	<LOD	139	<LOD	385	<LOD	42	<LOD	17	14948	232	52	10	<LOD	56	328	68	<LOD
73	1.86	3.51	26.5	24.79	69.4	8.05	52.96	56.68	ND		0.32	12.51	8.44	5.49	14639.05	245.36	-7.63	7.13	-68.69	19.13	-34.21	65.24	ND
74	29.82	8.62	<LOD	64.3	213.5	11.6	<LOD	152.37	<LOD	770.54	<LOD	35.16	<LOD	14.27	13478.38	207.3	<LOD	22.59	<LOD	45.14	<LOD	179.15	<LOD
74	<LOD	26	<LOD	64	605	18	<LOD	115	<LOD	316	<LOD	35	<LOD	12	11364	177	<LOD	23	<LOD	50	233	54	<LOD
74	-2.09	3.67	-6.31	24.15	81.7	8.26	31.32	55.16	ND		-6.07	12.01	4.39	5.01	14234.71	232.13	3.87	7.49	-25.02	18.66	48.58	63.3	ND
75	108.83	19.02	<LOD	75.94	311.81	15.72	<LOD	197.6	1089.79	359.02	<LOD	49.34	<LOD	21.15	24543.3	353.76	105.36	12.83	<LOD	53.35	<LOD	274.01	<LOD
75	<LOD	30	<LOD	74	621	21	<LOD	134	<LOD	411	<LOD	40	<LOD	18	16906	257	35	10	<LOD	57	251	71	<LOD
75	5.92	5.27	11.48	23.19	137.4	9.96	33.43	50.16	ND		5.56	11.85	-1.99	4.45	12088.11	202.88	4.47	7.31	-76.61	17.88	47.84	57.19	ND
76	<LOD	33.79	<LOD	77.96	299.18	15.84	287.7	89.01	1783.18	464.43	<LOD	66.33	<LOD	18.64	46523.04	601	74.51	12.17	<LOD	55.33	490.81	129.42	<LOD
76	<LOD	15	<LOD	69	133	9	<LOD	134	<LOD	430	<LOD	38	<LOD	14	16456	237	<LOD	22	<LOD	54	263	66	<LOD
76	7.49	4.84	14.46	23.01	93.68	8.42	-28.26	46.43	ND		-11.05	11.36	-0.68	4.48	11807.1	197.91	18.85	7.95	-81.74	17.68	156.14	57.72	ND
77	<LOD	29.13	<LOD	66	556.23	18.33	<LOD	145.27	<LOD	747.73	<LOD	34.13	<LOD	13.41	11320.88	182.96	44.76	9.02	<LOD	45.62	<LOD	165.72	<LOD
77	<LOD	14	<LOD	68	132	9	<LOD	124	<LOD	380	<LOD	36	<LOD	13	14186	210	<LOD	23	<LOD	53	248	61	<LOD
77	3.06	5.02	27.39	23.27	164.95	10.76	21.77	48.79	ND		14.45	12.17	4.02	4.91	11250.59	192.83	13.78	7.81	-78.2	17.79	67.22	55.4	ND
78	<LOD	42.15	<LOD	69.2	482.34	17.84	<LOD	166.98	<LOD	778.42	<LOD	39.38	<LOD	18.16	14533.54	224.61	95.2	11.42	<LOD	47.9	<LOD	190.83	<LOD
78	<LOD	12	<LOD	72	62	7	<LOD	128	<LOD	428	<LOD	39	<LOD	14	17249	251	<LOD	23	<LOD	56	382	71	<LOD
78	18.62	5.62	4.24	26.03	104.84	9.91	100.32	62.88	ND		10.12	12.78	-2.57	4.93	12338.56	228.61	22.13	9.34	-44.74	20.15	-95.98	61.6	ND
79	<LOD	33.37	<LOD	66.02	388.61	15.43	<LOD	155.16	<LOD	782.63	<LOD	34.93	<LOD	14.62	12926.38	200.79	55.31	9.48	<LOD	46.01	<LOD	175.6	<LOD
79	<LOD	17	<LOD	64	451	15	<LOD	113	<LOD	357	<LOD	36	<LOD	13	13091	186	<LOD	21	<LOD	50	269	55	<LOD
79	5.8	4.71	27.53	24	103.77	9.04	109.87	57.9	ND		-14.55	12.43	8.68	5.37	13537.92	221.89	13.09	8.05	-12.75	18.51	222.68	63.87	ND
80	<LOD	19.75	<LOD	64.04	174.88	10.07	<LOD	141.47	<LOD	755.82	<LOD	31.7	<LOD	13.26	10102.8	163.39	<LOD	22.17	<LOD	43.92	<LOD	148.62	<LOD
80																							
80	7.78	4.96	41.2	24.51	127.79	10.14	97.34	58.24	ND		1.09	12.87	-2.05	4.69	13639.01	229.81	24.95	8.95	-15.1	19.06	83.92	63.83	ND
81	<LOD	20.19	<LOD	58.31	138.8	8.64	<LOD	123.76	<LOD	597.29	<LOD	25.76	<LOD	12.51	7260.65	126.61	21.65	7.12	<LOD	40.4	<LOD	121.65	<LOD
81	88	18	<LOD	77	327	16	<LOD	164	<LOD	435	<LOD	47	<LOD	22	24869	351	60	12	<LOD	60	371	89	<LOD
81																							
82	<LOD	20.59	<LOD	60.26	144.25	9.05	<LOD	110.83	<LOD	605.08	<LOD	25.88	<LOD	12.32	6373.85	120.86	<LOD	21.62	<LOD	41.61	<LOD	115.21	<LOD
82	<LOD	18	<LOD	62	101	7	<LOD	102	<LOD	334	<LOD	31	<LOD	11	10750	160	<LOD	20	<LOD	48	174	49	<LOD
82	21.94	9.63	7.59	25.85	383.77	17.79	233.52	88.55	ND		38.81	21.86	0.82	5.7	47888.91	618.83	57.17	11.64	-2.2	20.37	347.07	123.5	ND
83	<LOD	80.08	<LOD	87.28	1105.57	34.47	<LOD	256.13	<LOD	1247.08	<LOD	69.54	<LOD	23.97	42352.19	619.3	213.12	19.1	<LOD	62.03	<LOD	399.64	<LOD
83	<LOD	16	<LOD	64	94	8	<LOD	99	<LOD	331	<LOD	34	<LOD	13	10135	161	<LOD	20	<LOD	49	<LOD	145	<LOD

Reading	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
36	0	455	52	14	4	62	3	<LOD	121	<LOD	6	<LOD	111	123	4	3152	488	273	6
36		278.72	47.98	2.49	4.02	58.16	3.29	-83.7	41.38	1.6	1.71	92.08	37.97	89.86	3.96	2349.27	402.88	345.01	7.11
37	0	372.66	52.16	<LOD	12.92	62.78	3.51	<LOD	128.69	<LOD	4.68	<LOD	122.27	115.4	4.51	1592.69	329.23	343.85	7.28
37	0	484	53	13	4	58	3	<LOD	118	<LOD	5	<LOD	110	136	5	2268	448	269	6
37		364.52	51.41	2.18	4.06	57.26	3.27	-56.02	42.27	-1.94	1.43	75.3	38.22	100.82	4.17	2869.6	407.14	378.66	7.5
38	0	399.71	48.38	<LOD	11.37	52.07	2.97	<LOD	110.27	<LOD	4.76	<LOD	104.87	99.71	3.85	1559.45	290.43	246.48	5.59
38	0	397	49	20	4	51	3	<LOD	117	<LOD	5	<LOD	108	110	4	2711	449	259	6
38		355.73	51.26	-5.22	3.95	45.87	3.06	0.32	41.08	-0.88	1.56	0.73	36.91	84.9	3.96	2135.14	390.83	264.28	6.33
39	0	340.79	46.77	<LOD	11.49	53.64	3.05	<LOD	115.1	<LOD	4.58	<LOD	108.99	103.53	3.98	1416.45	297.29	277.93	6.03
39	0	375	51	17	4	47	3	<LOD	129	<LOD	6	<LOD	119	129	5	<LOD	1308	248	6
39		449.28	51.99	-4.32	3.79	59.03	3.23	25.84	39.67	0.46	1.57	53.5	35.95	98.39	4.02	2107.74	377.75	292.73	6.36
40	0	411.34	46.51	<LOD	10.78	45.4	2.71	<LOD	106.05	<LOD	4.41	<LOD	100.85	109.76	3.86	1107.4	260.61	253.18	5.45
40	0	378	52	15	4	56	3	<LOD	126	<LOD	5	<LOD	117	108	4	2432	475	238	6
40		372.14	50.49	-4.94	4.3	65.01	3.42	-5.25	41.93	-1.57	1.54	85.7	37.84	109.2	4.3	3422.48	410.15	686.65	10.76
41	0	336.29	42.66	12.22	3.69	43.2	2.68	<LOD	104.08	<LOD	4.77	<LOD	100.35	94.16	3.64	1226.84	251.68	222.33	5.17
41	0	314	41	12	3	51	3	<LOD	107	<LOD	4	<LOD	98	107	4	1769	377	250	5
41		464.77	49.75	5.88	3.69	43.18	2.73	-24.53	37.56	0.41	1.48	39.68	34.05	86.09	3.62	2899.73	344.42	260.48	5.73
42	0	394.2	46.45	<LOD	10.97	55.17	2.97	<LOD	112.46	<LOD	5.21	<LOD	107.15	98.72	3.74	1673.05	292.36	287.32	5.87
42	0	497	53	15	4	50	3	<LOD	118	<LOD	6	<LOD	110	112	4	2610	472	225	5
42		432.28	50.22	-9.09	3.73	47.24	2.91	-22.42	39.28	1.78	1.65	51.18	35.57	91.21	3.83	2086.46	369.05	330.66	6.67
43	0	452.94	52.67	<LOD	12.22	58.18	3.28	<LOD	121.56	<LOD	5.47	<LOD	116.62	113.31	4.29	2404.65	341.39	319.9	6.71
43	0	608	41	<LOD	9	36	2	<LOD	90	<LOD	3	<LOD	84	73	3	1672	309	217	4
43		369.7	52.59	0.83	4.13	62.79	3.46	-34.2	42.66	3.75	1.9	80.24	38.7	107.25	4.36	3347.4	438.14	376.71	7.62
44	0	383.43	53.77	<LOD	12.99	58.5	3.45	<LOD	123.67	<LOD	6.48	<LOD	118.31	96.28	4.2	2120.37	355.65	318.27	7.01
44	0	246	29	<LOD	8	32	2	<LOD	89	<LOD	3	<LOD	81	65	3	1198	262	201	4
44		411.49	51.2	-2.46	3.79	28.93	2.61	21.36	41.41	-0.28	1.79	101.54	36.96	59.46	3.41	1724	374.57	128.71	4.61
45	0	537.34	54.88	<LOD	12	59.57	3.24	<LOD	120.2	<LOD	5.03	<LOD	115.01	106.44	4.09	1951.08	324.13	328.23	6.65
45	0	210	31	<LOD	9	34	2	<LOD	99	<LOD	4	<LOD	92	72	3	1741	316	238	5
45		417.4	53.64	-3.53	3.95	44.39	3.11	-35.85	42.76	-3.54	1.74	23.16	38.47	79.82	3.92	1470.64	402.53	205.8	5.7
46	0	410.05	51.45	12.52	4.11	74.48	3.59	<LOD	119.41	<LOD	6.01	<LOD	115.54	118.66	4.32	2631.83	337.29	338.07	6.82
46	0	463	40	<LOD	9	42	2	<LOD	100	<LOD	4	<LOD	91	86	3	1266	311	259	5
46		419.19	54.24	-0.76	3.84	26.46	2.58	-11.86	43.37	0.97	2.01	67.16	38.91	64.98	3.58	1825.18	437.06	120.99	4.56
47	0	436.77	70.63	<LOD	14.78	36.35	3.66	<LOD	152.81	<LOD	7.01	<LOD	145.8	1406.73	23.3	2067.79	466.14	275.96	8.98
47	0	430	39	<LOD	9	30	2	<LOD	97	<LOD	3	<LOD	89	67	3	1831	329	207	4
47		305.26	48.33	-1.09	4.02	34.14	2.82	2.64	41.14	-5.03	1.37	-20.25	37.39	83.98	4.01	1991.44	366.1	220.21	5.92
48	0	358.07	51.7	<LOD	12.37	71.5	3.53	<LOD	121.67	<LOD	5.27	<LOD	115.79	135.25	4.61	2634.49	359.22	417.4	7.7
48	0	575	45	<LOD	9	48	2	<LOD	101	<LOD	4	<LOD	92	84	3	2570	366	250	5
48		453.06	48.78	-6.8	3.52	49.01	2.86	17.68	36.47	-1.69	1.51	-11.26	33.27	101.03	3.86	1564.4	331.32	240.94	5.49
49	0	326.61	47.63	13.24	3.97	28.96	2.59	<LOD	111.62	<LOD	4.76	<LOD	106.35	132.88	4.68	<LOD	774.06	139.01	4.75
49	0	400	40	<LOD	10	38	2	<LOD	102	<LOD	4	<LOD	93	81	3	1667	329	227	5
49		427.55	46.67	-7.65	3.44	43.75	2.71	20.74	36.1	-1	1.43	45.14	32.9	106.62	3.91	1440.9	296.63	210.64	5.13
50	0	299.48	43.19	<LOD	11.06	41.22	2.72	<LOD	112.56	<LOD	4.46	<LOD	107.9	93.12	3.74	<LOD	756.07	233.8	5.46
50	0	808	55	<LOD	10	46	3	<LOD	113	<LOD	4	<LOD	103	103	4	3634	454	281	5
50		147.22	41.7	3.73	4.12	37.18	2.98	-7.68	41.77	-2.09	1.53	27.99	38.23	75.66	3.96	1133.7	338.76	160.32	5.31
51	0	238.1	33.82	<LOD	9.43	28.33	2.06	<LOD	94.47	<LOD	3.25	<LOD	89.35	74.09	2.96	<LOD	608.56	143.32	3.84
51	0	728	57	<LOD	11	70	3	<LOD	120	<LOD	4	<LOD	109	128	4	4660	500	334	6
51		335.82	44.79	-2.14	3.62	50.12	2.9	-58.27	37.74	-1.01	1.4	73.55	34.35	98.45	3.85	1708.41	312.51	258.53	5.74
52	0	386.59	44.42	<LOD	10.78	40.54	2.63	<LOD	109.74	<LOD	3.9	<LOD	105.02	96.48	3.71	746.28	237.43	204.13	5.01
52	0	727	51	<LOD	10	53	3	<LOD	103	<LOD	5	<LOD	97	107	4	2822	403	346	6
52		337.9	48.5	-5.8	3.79	52.81	3.18	-4.38	40.06	-0.39	1.65	31.6	36.41	92.88	4.02	1339.9	344.47	216.89	5.65
53	0	389.43	47.9	<LOD	11.58	41.49	2.79	<LOD	115.31	<LOD	5.09	<LOD	110.83	98.41	3.91	1222.13	283.38	251.86	5.77
53	0	947	63	16	4	63	3	<LOD	114	<LOD	5	<LOD	106	114	4	4082	510	380	7
53		365.77	52.88	4.23	4.07	61.86	3.51	-0.99	41.12	-1.6	1.74	31.46	37.26	105.85	4.39	2283.06	403.93	251.53	6.25
54	0	376.05	48.55	<LOD	11.5	42.81	2.8	<LOD	115.17	<LOD	4.82	<LOD	110.36	106.07	4	952.02	295.55	251.06	5.71
54																			
54		285.19	50.14	1.37	4.07	44.74	3.15	-37.24	41.32	-2.38	1.69	-21.46	37.49	102.25	4.41	2030.84	388.07	209.98	5.87
55	0	297.27	42.94	<LOD	11.1	38.89	2.63	<LOD	112.43	<LOD	5.23	<LOD	107.47	93.56	3.7	1099.17	273.54	233.06	5.38
55	0	669	70	13	4	39	3	<LOD	127	<LOD	6	<LOD	117	71	4	4860	666	196	5
55		313.45	50.78	7.9	4.28	47.2	3.31	-68.35	41.85	-2.87	1.64	52.48	38.37	86.73	4.24	1859.72	376.78	209.23	6.03
56	0	267.72	36.97	<LOD	10.02	36.16	2.35	<LOD	100.27	<LOD	3.86	<LOD	95.76	66.16	2.95	<LOD	682.58	193.67	4.53
56	0	782	74	<LOD	12	42	3	<LOD	132	<LOD	7	<LOD	121	83	4	7766	716	227	6
56		484.89	58.7	-3.04	4.08	41.95	3.11	-3.19	42.09	-0.29	1.77	38.45	38.24	93.28	4.3	2781.16	408.28	204.45	5.88
57	0	360.42	42.87	<LOD	11.18	37.17	2.54	<LOD	110.14	<LOD	4.11	<LOD	105.24	86.8	3.52	1074.72	270.87	330.18	6.28
57	0	363	42	<LOD	10	46	3	<LOD	111	<LOD	4	<LOD	103	134	4	2601	408	308	6
57		402.92	49.19	1.84	3.81	51.05	3.07	33.15	40.11	-0.82	1.54	122.32	36.6	79.8	3.69	1443.92	332.56	230.15	5.67
58	0	413.08	39.44	<LOD	9.42	27.8	2.06	<LOD	96.98	<LOD	4.19	<LOD	92.55	72.16	2.94	955.56	230.48	197.64	4.39
58	0	259	40	<LOD	11	38	3	<LOD	115	<LOD	6	<LOD	106	146	4	2033	407	244	5
58		526.49	57.73	1.74	4.06	51.82	3.26	51.71	41.27	1.46	2.04	37.54	37.99	86.7	4.02	2180.89	390.14	281.56	6.57
59	0	133.53	30.64	<LOD	10.28	36.39	2.4	<LOD	101.11	<LOD	3.77	<LOD	96.64	68.53	3.07	780.8	239.2	229.92	5.01
59	0	327	40	<LOD	10	50	3	<LOD	108	<LOD	5	<LOD	100	110	4	1604	360	267	5
59		219.57	36.58	3.22	3.36	32.25	2.34	4.04	33.6	-0.36	1.46	58.69	30.45	69.16	3.14	1453.76	286.38	163.44	4.4
60	0	148.52	28.63	<LOD	9.57	35.91	2.22	<LOD	96.7	<LOD	3.05	<LOD	92.75	69.65	2.87	936.13	212.45	240.02	4.76
60	0	422	42	<LOD	10	49	3	<LOD	105	<LOD	5	<LOD	97	108	4	3158	407	266	5
60		274.38	48.96	0.96	4.32	42.93	3.26	27.24	45.46	1.75	2	65.59	40.87	65.5	3.88	2156.42	385.48	213.09	6.21
61	0	201.89	31.16	<LOD	9.77	23.77	1.97	<LOD	94.42	<LOD	3.17	<LOD	90.25	63.95	2.83	599.22	195.61	194.99	4.41
61	0	386	45	<LOD	10	45	3	<LOD	112	<LOD	5	<LOD	104	116	4	2608	429	229	5
61		478.09	50.46	-0.55	3.63	62.28	3.17	50.31	38.25	-0.16	1.68	51.65	33.81	96.64	3.81	2044.7	327.84	276.52	5.9
62	0	300.76	36.78	<LOD	10.24	34.41	2.29	<LOD	100.66	<LOD	4.12	<LOD	96.89	64.39	2.9	1116.7	233.35	294.49	5.47
62	0	354	44	<LOD	11	38	3	<LOD	111	<LOD	5	<LOD	103	116	4	3382	455	255	5
62		131.25	32.78	-4.32	3.42	37.8	2.53	-21.75	36.04	1.19	1.41	27.84	32.85	71.89	3.28	1382.64	293.04	185.6	4.79
63	0	487.98	43	<LOD	10.13	39.96	2.4	<LOD	105.43	<LOD	4.08	<LOD	100.26	70.72	2.99	1464.7	248.01	304.46	5.54
63	0	286	37	<LOD	10	38	2	<LOD	103	<LOD	5	<LOD	95	101	3	2575	384	229	5
63		251.4	39.71	-7.63	3.39	52	2.79	-37.05	37.15	-1.41	1.24	72.9	33.38	108.55	3.82	1635.65	325.78	277.42	5.65
64	0	371.02	38.3	<LOD	9.95	28.18	2.11	<LOD	103.73	<LOD	4.33	<LOD	97.8	66.92	2.9	1313.65	237.63	294.64	5.4
64	0	395	54	12	4	30	3	<LOD	125	<LOD	7	<LOD	116	276	7	1376	455	116	4
64		211.47	40.29	-6.65	3.59	52.52	2.92	34.65	38.66	-0.51	1.38	132.41	35.07	109.35	3.99	1669.84	339.8	312.05	6.25
65	0	448.96	40.68	<LOD	9.48	34.17	2.21	<LOD	97.57	<LOD	3.77	<LOD	93.45	64.19	2.79	1194.82	222.59	225.58	4.63
65	0	465	60	21	4	30	3	<LOD	133	<LOD	8	<LOD	123	211	6	1476	480	85	4
65		253.57	35.33	-3.51	3.15	34.67	2.25	20.82	32.19	-0.4	1.23	7.41	29.45	71.55	3.01	1489.35	260.75	193.98	4.48
66	0	312	37.79	<LOD	10.4	42.81	2.53	<LOD	107.01	<LOD	4.42	<LOD	102.26	78.81	3.2	1641.97	236.94	279.71	5.44
66	0	473	72	24	5	23	3	<LOD	157	<LOD	11	<LOD	146	170	7	1869	600	123	6
66		179.56	32.76	-3.98	3.28	29.09	2.24	-58.34	33.87	-1.48	1.17	-9.82	30.53	61.58	3	449.6	238.65	144.21	4.2
67	0	242.79	30.29	<LOD	8.75	31.74	2.02	<LOD	88.06	<LOD	3.92	<LOD	84.17	58.66	2.54	<LOD	501.13	152.15	3.67
67	0	492	54	16	4	34	3	<LOD	116	<LOD	6	<LOD	107	557	10	2336	483	158	5
67		188.33	32.36	-2.2	3.13	34.77	2.25	-22.3	32.47	-0.95	1.16	7.8	29.49	67.93	2.95	719.36	241.04	164.51	4.18
68																			
68	0	270	45	24	4	23	2	<LOD	112	<LOD	7	<LOD	104	278	6	1560	393	117	4
68		360.82	48.34	-3.5	3.64	46.39	2.88	-13.07	39.13	0.16	1.46	123.49	35.52	97.23	3.92	2089.83	356.69	206.78	5.3
69	0	531.02	60.27	<LOD	11.65	26.94	2.72	<LOD	127.66	<LOD	5.65	<LOD	122.44	288.85	7.21	967.85	308.58	159.42	5.38
69	0	478	54	19	4	25	2	<LOD	117	<LOD	8	<LOD	109	286	7	2427	470	136	5
69		593.39	56.23	1.58	3.68	66.23	3.26	96.48	38.01	0.06	1.51	109.29	34.55	128.15	4.34	2104.95	374.6	284.05	6.03
70	0	418.66	54.67	<LOD	11.91	27.05	2.71	<LOD	123.75	<LOD	6.18	<LOD	119.42	226.68	6.33	<LOD	892.43	138.69	5.05
70	0	338	49	16	4	49	3	<LOD	124	<LOD	5	<LOD	114	217	6	2040	462	216	6
70		352.03	46.72	-9.85	3.58	41.62	2.78	-23.28	38.22	-2.03	1.26	48.94	34.82	89.34	3.8	1432.13	331.45	194.04	5.18
71	0	313.31	57.32	<LOD	12.73	32.37	3.06	<LOD	131.46	<LOD	9.04	<LOD	127.87	222.34	6.48	<LOD	977.69	185.9	5.8
71	0	585	56	14	4	34	3	<LOD	118	<LOD	5	<LOD	110	190	5	<LOD	1216	189	5
71		401.81	55.09	-2.08	4.1	59.18	3.47	30.06	42.22	-0.36	1.58	40.74	38.71	130.12	4.88	2245.78	403.37	286.21	6.78
72	0	349.67	43.86	<LOD	10.73	37.6	2.58	<LOD	109.59	<LOD	4.86	<LOD	104.87	175.43	4.88	1538.63	278.97	224.66	5.29
72	0	501	50	11	3	36	2	<LOD	110	<LOD	5	<LOD	102	214	5	2183	415	163	4
72																			
73	0	355.04	43.41	<LOD	10.61	44.42	2.7	<LOD	106.78	<LOD	4.08	<LOD	102.94	156.34	4.55	849.1	249.6	225.93	5.21
73	0	451	49	13	4	37	3	<LOD	115	<LOD	5	<LOD	105	201	5	2053	413	177	5
73		379.33	50.38	9.09	4.04	62.35	3.37	-2.77	40.29	-0.85	1.45	72.74	36.54	108.11	4.27	2556.85	375.11	313.83	6.74
74	0	291.16	41.1	<LOD	10.37	40.41	2.57	<LOD	102.79	<LOD	4.68	<LOD	99.23	108.63	3.79	1139.07	254.58	176.97	4.59
74	0	321	39	13	3	25	2	<LOD	98	<LOD	5	<LOD	91	139	4	1357	332	125	4
74		370.12	48.35	3.93	3.78	57.19	3.13	-59.91	39.31	-0.26	1.45	88.57	35.31	111.48	4.17	1453.54	350.03	266.24	5.98
75	0	407.09	55.58	<LOD	12.25	111.96	4.49	<LOD	120.83	<LOD	7.6	<LOD	115.17	247.8	6.41	1280.03	334.55	249.84	6.17
75	0	467	50	16	4	36	3	<LOD	116	<LOD	5	<LOD	108	186	5	1819	426	182	5
75		516.61	50.75	3.45	3.66	44.37	2.77	66.37	37.34	-0.02	1.49	59.27	33.69	114.4	4.11	2138.99	328.07	252	5.67
76	0	644.31	72.86	<LOD	12.45	43.72	3.1	<LOD	127.51	<LOD	5.81	<LOD	121.78	82.62	3.94	3323.1	454.8	233.02	5.98
76	0	411	46	11	4	55	3	<LOD	111	<LOD	4	<LOD	102	106	4	3403	468	326	6
76		503.33	49.62	0.25	3.59	48.96	2.84	6.17	37.22	1.37	1.56	97.9	34.22	110.53	4.01	2153.64	331.59	253.01	5.63
77	0	288.95	39.79	<LOD	10.18	37.65	2.49	<LOD	108.35	<LOD	5.2	<LOD	103.54	132.31	4.11	737.87	237.65	236.57	5.18
77	0	345	42	<LOD	10	49	3	<LOD	108	<LOD	4	<LOD	99	98	4	2995	423	270	5
77		564.61	51.71	5.39	3.63	46.87	2.81	30	37.47	-1.21	1.38	42.1	34.12	105.94	3.95	1801.34	313.5	225.18	5.35
78	0	256.88	41.9	<LOD	10.27	17.98	2.15	<LOD	111.59	<LOD	6.15	<LOD	107.39	201.07	5.27	1053.84	257.66	118.75	4.21
78	0	240	41	15	4	59	3	<LOD	115	<LOD	5	<LOD	106	109	4	3447	474	350	6
78		478.06	55.81	3.71	4.15	56.67	3.38	-34.9	42.19	-0.39	1.63	46.42	38.42	100.16	4.31	1715.97	389.56	300.53	6.88
79	0	387.45	44.2	<LOD	10.26	34.69	2.45	<LOD	107.09	<LOD	5.2	<LOD	102.36	141.18	4.27	<LOD	726.15	188.84	4.73
79	0	341	39	11	3	38	2	<LOD	101	<LOD	4	<LOD	93	87	3	2379	381	219	4
79		531.98	53.21	7.96	3.89	70.17	3.38	-56.74	39.27	0.53	1.58	111.31	35.79	117.9	4.24	3076.15	386.85	372.59	7.06
80	0	304.39	38.33	<LOD	9.82	42.69	2.49	<LOD	103.92	<LOD	3.92	<LOD	99.08	146.49	4.13	817.81	237.42	248.03	5.09
80																			
80		555.12	55.36	5.73	3.96	63.06	3.33	21.95	40.25	-2.64	1.35	4.11	36.44	113.6	4.29	2999.26	387.25	341.49	6.93
81	0	184.11	30.67	<LOD	9.05	28.72	2.05	<LOD	93.01	<LOD	3.51	<LOD	89.91	120.66	3.58	<LOD	541.77	143.4	3.81
81	0	389	53	16	4	110	4	<LOD	118	<LOD	8	<LOD	109	230	6	2718	480	230	6
81																			
82	0	133.42	28.72	<LOD	9.32	26.29	2.05	<LOD	94.98	<LOD	3.67	<LOD	91.12	100.26	3.39	<LOD	542.25	123.06	3.7
82	0	742	48	10	3	44	2	<LOD	97	<LOD	4	<LOD	90	101	3	2549	366	272	5
82		679.76	74.41	-2	3.97	50.31	3.23	16.82	42.27	-2.31	1.81	29.76	38.41	74.91	3.79	4838.49	553.6	233.18	5.95
83	0	547.45	75.53	<LOD	13.67	18.31	2.89	<LOD	142.03	<LOD	10.1	<LOD	137.56	237.77	7.2	1223.37	390.66	145.9	5.72
83	0	836	52	11	3	43	2	<LOD	100	<LOD	4	<LOD	92	87	3	2318	364	283	5

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
12-Apr-12	83	20.78	embree 5444	160	NA	1	1	0 precision check			1073.05	26.83	43.55	15.6	30.83	27.09	937.35	29.33	79.71	75.56	ND		11.33	18.38	13.87	7.69	30694.98	449.28	258.38	19.2	-0.65	21.07	168.14	102.28	ND		435.97	63.61	12.45	4.11	22.82	2.68	36.33	43.57	-1.97	2.41	82.56	40.05	235.47	6.69	373.87	383.25	97.56	4.66
12-Apr-12	84	20.84	wilder_5420	160	NA	1	1	0			1172.13	28.7	<LOD	60.03	<LOD	81.13	643.64	24.49	<LOD	193.36	<LOD	1045.79	<LOD	50.87	<LOD	21.39	21999.13	355.27	187.33	17.07	<LOD	57.03	<LOD	273.07	<LOD	0	337.23	55.97	<LOD	12.59	22.79	2.76	<LOD	128.82	<LOD	7.6	<LOD	125.07	233.02	6.73	1712.53	350.78	91.01	4.68
12-Apr-12	84	23.37	wilder 5434	218	blank	1	1	0			167	9	<LOD	20	<LOD	70	144	10	<LOD	124	<LOD	378	<LOD	33	<LOD	13	11911	194	<LOD	24	<LOD	54	<LOD	172	<LOD	0	934	60	<LOD	11	47	3	<LOD	109	<LOD	5	<LOD	100	107	4	2708	419	255	5
12-Apr-12	84	20.86	embree 5444	160	NA	1	1	0 precision check			1042.98	26.29	70.97	15.6	39.42	26.89	878.76	28.21	58.53	72.31	ND		26.18	18.79	-2.5	6.54	29971.04	439.48	247.46	18.81	-9.76	20.92	165.22	100.74	ND		356.76	60.1	5.27	4.01	25.78	2.75	-37.71	44.38	-3.12	2.31	72.46	39.88	233.78	6.64	999.13	380.41	91.47	4.56
12-Apr-12	85	20.31	wilder_5420	160	NA	1	1	0			938.42	24.76	<LOD	52.97	<LOD	80.47	886.23	28.5	<LOD	223.35	<LOD	1044.82	<LOD	54.17	<LOD	20.62	21698.69	344.96	279.08	19.67	<LOD	56.57	<LOD	268.15	<LOD	0	272.84	53.34	13.09	4.12	20.95	2.61	<LOD	131.24	<LOD	6.9	<LOD	125.46	190.78	5.95	<LOD	922.48	68.84	4.22
12-Apr-12	85	24.02	wilder 5434	218	blank	1	1	2			126	7	<LOD	15	<LOD	60	106	8	<LOD	101	<LOD	336	<LOD	29	<LOD	11	9332	147	<LOD	18	<LOD	47	185	46	<LOD	0	982	53	<LOD	9	40	2	<LOD	95	<LOD	4	<LOD	87	85	3	2430	363	257	5
12-Apr-12	85	20.9	embree 5444	160	NA	1	1	0 precision check			1037.48	26.15	37.16	15.21	25.89	26.8	884.05	28.25	64.03	71.62	ND		52.78	20.28	6.73	7.11	30015.55	438.99	254.17	19.03	-9.07	20.87	268.83	101.76	ND		305.4	58.1	6.94	4.01	21.16	2.61	85.78	43.58	-3.51	2.26	69.5	39.8	231.9	6.6	1546.49	387.35	90.79	4.53
12-Apr-12	86	20.3	wilder_5420	160	NA	1	1	2			381.44	14.76	51.77	11.64	<LOD	75.88	498.68	20.15	<LOD	186.27	<LOD	913.11	<LOD	42.72	<LOD	17.06	19531.24	307.19	84.84	12.21	<LOD	52.79	<LOD	247.71	<LOD	0	358.24	52.53	<LOD	11.96	29.57	2.77	<LOD	121.48	<LOD	5.75	<LOD	116.63	511.53	9.93	1591.84	311.84	179.08	5.8
12-Apr-12	86	22.93	wilder 5434	218	blank	1	1	2			124	7	<LOD	16	<LOD	64	90	7	<LOD	119	<LOD	324	<LOD	28	<LOD	13	8113	142	<LOD	21	<LOD	50	163	45	<LOD	0	825	52	<LOD	10	33	2	<LOD	100	<LOD	4	<LOD	92	104	3	2538	367	258	5
12-Apr-12	86	20.78	embree 5444	160	NA	1	1	0 precision check			1034.25	26.25	57.59	15.46	34.75	26.99	892.88	28.53	-46.62	66.93	ND		9.31	18.36	9.59	7.36	30394.88	445.5	236.83	18.52	4.86	21.05	206.42	102.15	ND		316.87	58.62	6.88	4.05	26.62	2.78	-14.44	44.07	-0.46	2.47	67.17	39.9	226.53	6.55	1101.47	381.3	99.7	4.67
12-Apr-12	87	22.26	wilder_5420	160	NA	1	1	2			937.15	24.22	<LOD	51.75	<LOD	76.64	1301.56	34.36	<LOD	183.39	<LOD	918.17	<LOD	47.26	<LOD	19.58	16613.02	279.94	165.96	15.72	<LOD	54.28	<LOD	240.67	<LOD	0	490.46	57.1	14.17	4.17	27.33	2.76	<LOD	123.29	<LOD	7.06	<LOD	117.94	255.47	6.78	1523.83	313.18	146.67	5.22
12-Apr-12	87	22.64	wilder 5434	218	blank	1	1	2			119	7	<LOD	17	<LOD	67	82	7	<LOD	116	<LOD	376	<LOD	35	<LOD	15	11506	181	<LOD	22	<LOD	52	173	54	<LOD	0	741	52	<LOD	10	56	3	<LOD	108	<LOD	4	<LOD	99	100	4	3414	428	381	6
12-Apr-12	87	20.8	embree 5444	160	NA	1	1	0 precision check			1103.17	27.36	70.76	16.11	22.5	27.09	890.78	28.63	-14.95	69.92	ND		19.27	18.54	-1.67	6.71	31181.23	456.39	271.38	19.66	16.46	21.23	94.49	102.55	ND		336.89	60.11	9.72	4.09	19.17	2.58	85.08	44.78	-3.26	2.37	49.76	40.4	232.67	6.67	1049.95	390.18	92.48	4.6
12-Apr-12	88	21.62	wilder_5420	160	NA	1	1	2			696.86	19.3	<LOD	42.8	<LOD	70.93	518.81	19.7	<LOD	153.94	<LOD	838.08	<LOD	39.38	<LOD	15.71	15816.77	253.91	95.95	12.19	<LOD	50.08	<LOD	208.67	<LOD	0	309.97	46.64	<LOD	11.44	27.1	2.57	<LOD	112.67	<LOD	5.89	<LOD	108.98	335.56	7.4	<LOD	790.92	154.92	5.08
12-Apr-12	88	22.81	wilder 5434	218	blank	1	1	4			178	9	<LOD	19	<LOD	68	124	9	<LOD	109	<LOD	379	<LOD	32	<LOD	14	11190	179	<LOD	21	<LOD	52	164	54	<LOD	0	858	55	<LOD	10	56	3	<LOD	107	<LOD	5	<LOD	99	106	4	2853	416	342	6
12-Apr-12	88	20.71	embree 5444	160	NA	1	1	0 precision check			1014.7	26.08	63.38	15.46	11.99	27.04	911.6	29.02	114.82	75.46	ND		19.57	18.49	1.29	6.84	30036.3	443.77	276.45	19.8	-10.22	21.08	125.24	101.19	ND		304.88	58.96	12.78	4.13	27.34	2.82	-97.88	43.7	-4.23	2.24	13.89	40.38	231.73	6.66	1465.98	398.73	92.93	4.61
12-Apr-12	89	20.16	wilder_5420	160	NA	1	1	4			444.63	15.16	<LOD	33.69	<LOD	70.2	599.38	21.07	<LOD	149.95	<LOD	910.88	<LOD	40.56	<LOD	15.16	16224.48	257.11	55.19	10.51	<LOD	49.61	<LOD	214.57	<LOD	0	338.05	47.57	<LOD	11.35	40.2	2.84	<LOD	111.09	<LOD	5.32	<LOD	106.47	164.69	5.05	960.57	287.4	156.09	4.86
12-Apr-12	89	23.32	wilder 5434	218	blank	1	1	4			119	8	<LOD	16	<LOD	67	89	8	<LOD	115	<LOD	345	<LOD	31	<LOD	13	7908	145	<LOD	22	<LOD	52	<LOD	137	<LOD	0	670	50	<LOD	10	30	2	<LOD	104	<LOD	4	<LOD	96	85	3	2654	389	214	5
12-Apr-12	89	20.79	embree 5444	160	NA	1	1	0 precision check			1058.21	26.66	78.55	15.86	37.39	27.12	936.74	29.35	38.09	72.96	ND		37.52	19.27	0.61	6.86	30886.28	452.16	243.54	18.83	-15.85	21.02	99.44	101.96	ND		384.79	61.79	1.63	3.99	28.06	2.84	-6.01	44.27	-0.94	2.48	45.86	39.77	245.7	6.85	1183.27	403.53	93.39	4.62
12-Apr-12	90	21.28	wilder_5420	160	NA	1	1	4			399.22	13.68	<LOD	30.58	<LOD	66.67	582.99	19.8	<LOD	152.43	<LOD	755.88	<LOD	36.42	<LOD	16.16	15013.95	232.59	43.85	9.53	<LOD	46.8	<LOD	191.46	<LOD	0	338.56	44.98	<LOD	10.99	33.3	2.53	<LOD	103.45	<LOD	4.76	<LOD	100.9	192.43	5.2	<LOD	711.87	155.97	4.66
12-Apr-12	90	23.57	wilder 5434	218	blank	1	1	4			141	9	<LOD	19	<LOD	72	127	10	<LOD	128	<LOD	403	<LOD	37	<LOD	16	10790	187	<LOD	23	<LOD	56	253	58	<LOD	0	781	57	<LOD	11	52	3	<LOD	112	<LOD	5	<LOD	103	92	4	2881	444	317	6
12-Apr-12	91	22.48	wilder_5420	160	NA	1	1	4			499.94	16.86	<LOD	38.46	<LOD	73.27	752.91	24.87	<LOD	179.08	<LOD	855.51	<LOD	41.45	<LOD	15.74	15276.47	258.54	108.57	13.23	<LOD	51.74	<LOD	219.39	<LOD	0	436.49	53.35	<LOD	11.96	31.89	2.76	<LOD	116.67	<LOD	6.42	<LOD	111.99	212.49	6.01	<LOD	809.21	143.85	5
12-Apr-12	91	23.27	wilder 5434	218	blank	1	1	6			129	8	<LOD	17	<LOD	67	109	8	<LOD	114	<LOD	363	<LOD	31	<LOD	13	8892	157	<LOD	21	<LOD	52	<LOD	144	<LOD	0	669	50	11	3	43	2	<LOD	107	<LOD	4	<LOD	97	84	3	2512	398	267	5
12-Apr-12	92	20.66	wilder_5420	160	NA	1	1	6			315.34	12.77	<LOD	28.8	<LOD	70.47	407.26	17.32	<LOD	142.48	<LOD	711.46	<LOD	33.27	<LOD	16.84	10057.32	188.27	<LOD	24.11	<LOD	49.5	<LOD	177.61	<LOD	0	272.17	42.2	<LOD	11.41	30.35	2.56	<LOD	109.96	<LOD	4.39	<LOD	107.17	134.94	4.6	<LOD	688.68	153.03	4.79
12-Apr-12	92	23.46	wilder 5434	218	blank	1	1	6			169	8	<LOD	17	<LOD	62	117	8	<LOD	104	<LOD	339	<LOD	30	<LOD	14	8763	139	<LOD	18	<LOD	48	204	45	<LOD	0	655	45	<LOD	9	43	2	<LOD	98	<LOD	4	<LOD	91	85	3	2090	356	328	5
12-Apr-12	93	21.73	wilder_5420	160	NA	1	1	6			412.17	14.31	<LOD	31.63	<LOD	69.49	516.61	19.16	<LOD	165.8	<LOD	823.25	<LOD	40.12	<LOD	17.84	15003.43	239.25	50.29	10.11	<LOD	48.02	<LOD	203.48	<LOD	0	259.81	43.67	<LOD	11.29	33.75	2.62	<LOD	107.49	<LOD	5.16	<LOD	104.65	190.49	5.33	<LOD	766.96	145.9	4.68
12-Apr-12	93	22.86	wilder 5434	218	blank	1	1	6			118	7	<LOD	15	<LOD	64	90	7	<LOD	95	<LOD	333	<LOD	29	<LOD	12	8282	142	<LOD	18	<LOD	49	<LOD	134	<LOD	0	603	45	<LOD	10	36	2	<LOD	99	<LOD	4	<LOD	91	70	3	2061	357	237	5
12-Apr-12	94	21.51	wilder_5420	160	NA	1	1	6			468.6	15.4	38.52	11.79	<LOD	70.32	917.39	26.1	<LOD	170.46	<LOD	808.53	<LOD	43.61	<LOD	17.16	15811.68	249.88	59.66	10.67	<LOD	49.09	<LOD	213.39	<LOD	0	368.02	48.33	<LOD	11.17	35.1	2.71	<LOD	109.62	<LOD	5.05	<LOD	106.91	331.04	7.22	1206.21	272.41	174.17	5.2
12-Apr-12	94	23.52	wilder 5434	218	blank	3	3	30			111	8	<LOD	17	<LOD	77	127	10	<LOD	134	<LOD	443	<LOD	44	<LOD	17	15913	252	<LOD	27	<LOD	60	418	73	<LOD	0	570	54	<LOD	12	57	3	<LOD	123	<LOD	5	<LOD	112	104	4	3287	491	332	6
12-Apr-12	95	18.75	wilder_5420	160	NA	1	1	8			148.88	7.31	<LOD	16.73	<LOD	54.2	183.19	9.6	<LOD	113.67	<LOD	521.3	<LOD	20.39	<LOD	9.84	4130.77	90.67	<LOD	16.82	<LOD	38.14	<LOD	89.52	<LOD	0	75.78	23.92	<LOD	8.85	18.12	1.74	<LOD	80.82	<LOD	3.44	<LOD	78.47	57.45	2.59	<LOD	469.26	71.84	2.96
12-Apr-12	95	23.38	wilder 5434	218	blank	3	3	30			106	8	<LOD	17	<LOD	71	146	10	<LOD	124	<LOD	403	<LOD	38	<LOD	14	14036	219	<LOD	22	<LOD	55	352	65	<LOD	0	485	48	<LOD	11	49	3	<LOD	113	<LOD	5	<LOD	103	92	4	2647	436	285	6
12-Apr-12	95	20.42	stroh 5444	218	NA	3	4	30			256.09	11.89	12.16	7.44	7.84	25.66	348.37	16.44	-20.91	55.84	ND		19.52	14.62	1.23	5.43	15397.18	254.59	26.24	9.53	3.13	19.64	67.89	68.8	ND		214.15	45.1	-3.31	4.05	64.65	3.45	4.66	42.47	0.48	1.82	74.48	38.54	108.42	4.3	3155.54	423.65	421.25	7.96
12-Apr-12	96	21.29	wilder_5420	160	NA	3	1	30			169.95	9.31	<LOD	21.31	<LOD	69.72	164.3	10.96	<LOD	174.54	<LOD	907.08	<LOD	37.84	<LOD	13.91	12421.93	209.17	<LOD	23.92	<LOD	48.98	<LOD	184.48	<LOD	0	375.44	46.77	<LOD	10.97	38.62	2.68	<LOD	113.62	<LOD	4.38	<LOD	108.74	107.58	4.02	942.97	282.49	196.28	5.1
12-Apr-12	96	23.37	wilder 5434	218	blank	3	3	30			144	9	<LOD	19	<LOD	76	113	9	<LOD	136	<LOD	445	<LOD	41	<LOD	14	14649	235	<LOD	24	<LOD	59	<LOD	199	<LOD	0	623	55	<LOD	12	60	3	<LOD	122	<LOD	5	<LOD	112	109	4	4151	512	392	7
12-Apr-12	96	20.11	stroh 5444	218	NA	3	4	30			163.62	9.36	0.85	5.74	4.33	24.42	189.05	11.91	-13.38	52.37	ND		-2.6	11.93	6.78	5.45	12705.99	216.22	12.6	8.33	-14.44	18.85	-41.49	59.27	ND		426.69	50.11	-0.5	4.02	53.78	3.08	24.31	40.37	-0.08	1.65	78.83	36.37	102.88	4.06	2973.78	395.84	504.77	8.57
12-Apr-12	97	19.96	wilder_5420	160	NA	3	1	30			220.9	10.58	<LOD	23.7	<LOD	69.62	178.2	11.48	<LOD	145.17	<LOD	807.21	<LOD	37.28	<LOD	16.37	9536.07	178.22	<LOD	25.61	<LOD	48.78	<LOD	166.66	<LOD	0	336.5	43.84	<LOD	11.29	38.2	2.7	<LOD	114.73	<LOD	4.96	<LOD	109.07	94.8	3.84	1003.36	264.29	211.46	5.3
12-Apr-12	97	23.39	wilder 5434		5861						43	6	37	5	<LOD	77	92	15	744	76	<LOD	370	809	37	<LOD	15	14324	232	4155	72	<LOD	59	<LOD	197	<LOD	0	<LOD	116	<LOD	10	17	2	<LOD	124	<LOD	5	<LOD	112	89	4	<LOD	1098	70	3
12-Apr-12	97	20.6	stroh 5444	218	NA	3	4	30			218.19	10.78	1.55	6.61	24.09	24.66	242.16	13.55	21.63	55.33	ND		17.39	13.95	-0.54	5.01	13959.34	233.64	42.95	9.98	-58.96	18.89	94.34	64.82	ND		458.33	52.37	2.35	3.97	61.49	3.31	79.82	39.86	-2.13	1.53	76.34	36.16	102.72	4.11	1848.99	359.25	379.34	7.34
12-Apr-12	98	18.94	wilder_5420	160	NA	3	1	30			236.63	10.33	<LOD	23.28	<LOD	66.64	195.66	11.31	<LOD	144.52	<LOD	705.24	<LOD	33.27	<LOD	13.02	10095.26	174.89	<LOD	21.24	<LOD	45.88	<LOD	160.64	<LOD	0	263.94	39.12	<LOD	10.39	42.81	2.66	<LOD	107.11	<LOD	4.37	<LOD	103	81.34	3.41	1220.1	245.54	192.27	4.8
12-Apr-12	98	22.96	wilder 5434		blank						<LOD	9	<LOD	6	<LOD	62	<LOD	9	<LOD	71	<LOD	217	<LOD	15	<LOD	11	<LOD	48	<LOD	16	<LOD	48	<LOD	25	<LOD	0	<LOD	48	13	3	<LOD	3	<LOD	96	<LOD	3	<LOD	88	<LOD	4	<LOD	600	7	2
12-Apr-12	98	19.16	stroh 5444	218	NA	3	1	30			459.05	14.38	3.99	8.67	25.45	22.64	546.34	18.7	61	54.57	ND		0.06	12.66	0.17	5.01	16448.23	242.11	24.31	8.35	-89.82	17.32	146.27	65.4	ND		751.84	57.9	-1.1	3.48	56.08	2.97	-3.94	36.08	-0.78	1.67	71.15	32.99	115.99	4.02	2057.81	341.42	231.41	5.28
12-Apr-12	99	19.42	wilder_5420	179	NA	1	1	0			112.59	7.61	<LOD	17.4	<LOD	68.41	174.81	11.05	<LOD	152.55	1092.36	295.74	<LOD	30.59	<LOD	15.09	8200.11	157.3	39.73	9.14	<LOD	47.6	<LOD	151.21	<LOD	0	379.24	43.85	<LOD	10.47	23.34	2.2	<LOD	111.1	<LOD	4	<LOD	106.48	88.97	3.61	<LOD	814.91	136.17	4.28
12-Apr-12	99	23.24	wilder 5434		4315						288	11	<LOD	24	<LOD	69	900	23	<LOD	111	<LOD	311	<LOD	27	<LOD	14	3059	86	119	12	<LOD	54	<LOD	91	<LOD	0	620	47	<LOD	9	10	2	<LOD	108	<LOD	4	<LOD	101	325	6	<LOD	844	39	3
12-Apr-12	99	18.57	stroh 5444	218	NA	3	1	30			371.14	12.51	10.07	7.68	28.59	22.1	391.01	15.3	51.21	50.36	ND		12.17	11.94	-4.2	4.39	13607.77	206.15	22.77	7.91	-86.32	16.75	77.77	57.28	ND		604.45	51.14	-3.04	3.34	42.74	2.58	-80.73	35.48	0.1	1.6	38.4	32.46	107.94	3.76	1617.14	309.08	225.75	5.05
12-Apr-12	100	19.85	wilder_5420	179	NA	1	1	0			105.15	7.67	<LOD	17.54	<LOD	71.72	143.57	10.47	<LOD	153.19	<LOD	868.35	<LOD	34.43	<LOD	12.56	10466.48	189.83	<LOD	25.06	<LOD	50.19	<LOD	169.07	<LOD	0	365.49	45.65	<LOD	11.12	25.08	2.34	<LOD	116.18	<LOD	3.47	<LOD	111.18	96.71	3.88	1098.14	279.87	169.9	4.85
12-Apr-12	100	22.45	wilder 5434		2710						2542	38	295	24	<LOD	65	3192	50	<LOD	126	<LOD	381	<LOD	39	48	9	18220	253	1335	34	<LOD	51	<LOD	203	<LOD	0	4705	126	16	3	58	3	<LOD	99	<LOD	8	<LOD	92	158	4	<LOD	1105	66	3
12-Apr-12	100	20.76	stroh 5444	218	NA	3	1	30			216	10.77	1.22	6.6	5.03	24.99	305.01	15.15	37.34	57.17	ND		4.16	12.94	10.91	5.91	14049.02	235.78	7.65	8.12	-7.14	19.25	47.39	64.49	ND		349.47	48.93	5.57	3.89	49.25	3.04	-50.31	40.76	-3.15	1.42	132.22	36.8	100.16	4.08	1749.46	371.59	262.82	6.08
12-Apr-12	101	20.25	wilder_5420	179	NA	1	1	0			136.66	8.06	<LOD	18.95	<LOD	68.01	172.06	10.65	<LOD	141.91	<LOD	716.65	<LOD	33.62	<LOD	13.03	10684.14	180.71	<LOD	23.3	<LOD	46.73	<LOD	165.81	<LOD	0	494.52	47.07	<LOD	10.44	26.17	2.23	<LOD	108.99	<LOD	4.3	<LOD	105.72	102.96	3.74	1025.61	241.89	163.93	4.5
12-Apr-12	101	23.27	wilder 5434		2586						453	16	<LOD	34	<LOD	82	325	16	237	76	<LOD	645	<LOD	64	<LOD	19	50858	645	40	11	<LOD	64	862	133	<LOD	0	833	77	<LOD	12	48	3	<LOD	132	<LOD	7	<LOD	121	81	4	8130	752	233	6
12-Apr-12	101	19.76	stroh 5444	218	NA	3	2	30			127.72	8.02	0.63	4.91	-12.01	23.12	177.96	11.05	65.5	53.46	ND		10.71	12.44	0.93	4.65	13702.55	217.39	21.87	8.22	-89.89	17.59	65	60.09	ND		430.41	48.28	-1.52	3.61	56.04	2.99	39.52	37.51	-0.62	1.43	49.38	33.62	92.82	3.7	2069.85	340.64	296.07	6.04
12-Apr-12	102	21.33	wilder_5420	179	NA	1	1	2			99.98	7.6	<LOD	16.49	<LOD	73.34	134.77	10.24	<LOD	158.36	<LOD	889.58	<LOD	37.36	<LOD	15.81	9922.14	184.9	<LOD	23.14	<LOD	50.92	<LOD	170.07	<LOD	0	450.88	48.96	<LOD	11.45	29.59	2.49	<LOD	120.55	<LOD	4.35	<LOD	114.53	81.2	3.64	1031.15	282.84	221.4	5.46
12-Apr-12	102	23.19	wilder 5434		2711						1239	27	62	18	92	26	315	15	<LOD	158	<LOD	492	<LOD	46	<LOD	22	25756	357	55	12	<LOD	61	456	91	<LOD	0	515	57	<LOD	11	109	4	<LOD	123	<LOD	7	<LOD	113	250	6	2110	498	238	6
12-Apr-12	102	18.19	stroh 5444	218	NA	3	2	30			66.99	5.99	6.15	3.82	53.33	23.19	96.38	8.23	99.06	51.39	ND		19.15	12.17	2.9	4.6	11713.94	188.9	18.75	7.81	10.12	17.41	69.39	54.13	ND		281.64	40.95	1.97	3.57	47.86	2.7	-26.57	38.24	-2.98	1.18	34.19	34.51	83.01	3.4	2327.77	321.31	358.62	6.45
12-Apr-12	103	22.12	wilder_5420	179	NA	1	1	2			97.52	7.72	<LOD	16.45	<LOD	75.28	141.61	10.73	<LOD	162.41	<LOD	787.17	<LOD	32.81	<LOD	14.11	8324.09	170.28	<LOD	23.72	<LOD	52.47	<LOD	158.99	<LOD	0	434.56	48.81	12.66	3.97	28.29	2.51	<LOD	122.91	<LOD	4.4	<LOD	116.25	72.06	3.55	1238.52	271.78	173.16	5.03
12-Apr-12	103	54.43																																																				
12-Apr-12	104	20.28	wilder_5420	179	NA	1	1	2			71.44	6.83	<LOD	15.39	<LOD	74.42	129.66	10.3	<LOD	148.51	<LOD	830.77	<LOD	34.34	<LOD	14.68	9351.31	182.26	<LOD	22.99	<LOD	51.91	<LOD	159.33	<LOD	0	303.41	43.86	<LOD	11.67	27.53	2.48	<LOD	120.67	<LOD	3.79	<LOD	118.07	70.46	3.51	1075.79	275.1	181.96	5.11
12-Apr-12	104	20.15	jackson 5444		NIST 2586						425.7	16.17	21.68	10.01	-1.86	27.28	311.53	16.63	373.7	97.74	ND		26.31	22.43	9	6.51	51016.54	672.63	81.05	13.07	82.58	21.5	309.49	130.71	ND		714.74	78.92	6.86	4.23	53.88	3.42	29.97	44.82	-1.68	1.95	90.93	40.5	80.95	4.04	5933.04	597.04	257.24	6.44
12-Apr-12	105	19.5	wilder_5420	179	NA	3	4	30			118.67	8.36	<LOD	18.75	<LOD	73.51	156.64	11.16	<LOD	202.4	<LOD	1033.99	<LOD	46.13	<LOD	16.3	20767.26	308.5	<LOD	26.35	<LOD	51.98	<LOD	243.78	<LOD	0	452.39	54.75	<LOD	12.27	66.27	3.44	<LOD	119.97	<LOD	5.1	<LOD	114.26	115.49	4.32	2872.22	362.31	360.84	7.14
12-Apr-12	105	20.69	jackson 5444		nist 2711						1186.65	27.19	111.83	16.21	52.24	25.36	327.71	16.35	-27.72	62.32	ND		1.33	15.97	17.85	7.41	25610.55	373.13	81.13	12.29	-60.66	19.72	107.33	89.09	ND		425.69	57.78	0.99	3.94	110.21	4.53	-2.59	39.89	0.35	2.54	51.23	35.99	243.97	6.52	2581.78	410.49	226.25	6
12-Apr-12	106	19.09	wilder_5420	179	NA	3	4	30			108.94	8.05	<LOD	18.55	<LOD	74.71	137.84	10.55	<LOD	179.33	<LOD	1053.09	<LOD	45.94	<LOD	14.73	19056.36	289.32	29.51	9.39	<LOD	52.19	<LOD	237.34	<LOD	0	581.49	57.69	<LOD	12.16	62.84	3.36	<LOD	123.28	<LOD	5.01	<LOD	117.9	134.28	4.61	2315.52	351.9	369.08	7.22
12-Apr-12	106	19.3	jackson 5444		nist2710						5224.15	82.15	625.97	38.57	97.95	28.18	6891.1	111.5	-22.38	90.65	ND		-15.29	21.06	74.41	15.74	36293.73	546.79	2800.88	67.73	-124.18	22.34	-67.49	116.52	ND		9501.79	241.78	12.11	4.45	123.05	5.59	94.34	44.88	-3.39	4.97	58.98	40.82	312.76	8.4	2347.78	504.69	106.39	5.26
12-Apr-12	107	21.89	wilder_5420	179	NA	3	4	30			83.89	7.53	<LOD	17.55	<LOD	76.73	141.42	11.03	<LOD	179.42	<LOD	995.06	<LOD	43.73	<LOD	15.7	18033.93	289.21	<LOD	25.99	<LOD	53.64	<LOD	238.25	<LOD	0	448.88	54.77	<LOD	12.69	48.8	3.14	<LOD	124.07	<LOD	4.59	<LOD	119.91	101.73	4.22	2388.25	348.48	301.84	6.72
12-Apr-12	107	21.56	jackson 5444		PES4315						269.06	10.78	14.55	6.78	8.03	21.95	837.74	22.95	30.25	42.01	ND		-2.24	8.01	-6.53	4.43	2471.07	77.24	95.34	10.84	-21.9	17.19	-42.71	25.32	ND		561.68	46.38	-1.09	3.18	10.27	1.76	19.6	35.16	0.96	1.54	-7.7	32.31	256.18	5.82	-95.4	213.57	35.63	3.2
12-Apr-12	108	19.24	wilder_5420	179	NA	3	3	30			120.8	7.2	<LOD	15.81	<LOD	62.53	208.63	10.93	<LOD	138.76	<LOD	687.73	<LOD	33.26	<LOD	11.86	10450.94	167.81	<LOD	22.2	<LOD	43.04	<LOD	153.51	<LOD	0	699.11	50.1	<LOD	10.01	41	2.44	<LOD	100.16	<LOD	3.99	<LOD	96.73	74.48	3.07	1183.18	234.12	240.53	4.97
12-Apr-12	108	20.01	jackson 5444		PES 5861						33.92	5.35	40.26	4.48	51.43	25.6	171.12	14.55	1235.22	104.11	ND		913.39	39.24	7.76	5.57	14280.45	236.78	2774.28	58.4	33.87	19.31	163.29	66.42	ND		168.07	47.24	6	3.64	20.02	2.21	51.69	42.08	0.78	1.54	59.85	37.56	121.52	4.4	700.56	317.82	74.03	3.79
12-Apr-12	109	18.6	wilder_5420	179	NA	3	3	30			115.18	7.49	<LOD	16.85	<LOD	67.43	197.96	11.29	<LOD	145.62	<LOD	791.81	<LOD	30.97	<LOD	12.61	9801.05	170.59	<LOD	22.22	<LOD	46.34	188.44	54.43	<LOD	0	535.7	48.17	<LOD	10.76	44.26	2.66	<LOD	108.03	<LOD	4.5	<LOD	104.72	86.5	3.47	<LOD	737.41	276.64	5.65
12-Apr-12	109	20.24	jackson 5444		BLANK						3.03	3.09	0.23	1.77	16.93	21.35	1.91	3.34	-1.92	32.68	ND		-10.05	5.83	6.94	4.43	12.09	14.54	-10.6	5.02	-42.38	16.45	-7.42	9.48	ND		-4.26	17.75	4.35	3.08	-1.29	1.15	-9.02	34.48	-0.55	1.08	109.24	31.39	0.66	1.47	-88.96	165.9	1.09	2.2
12-Apr-12	110	19.94	wilder_5420	179	NA	3	3	30			87.86	6.74	19.53	5.47	<LOD	68.19	196.69	11.29	<LOD	155.39	<LOD	766.46	<LOD	32.82	<LOD	11.5	10014.56	173.35	<LOD	24.41	<LOD	46.72	<LOD	160.67	<LOD	0	700.8	53.22	<LOD	10.86	43.72	2.65	<LOD	109.16	<LOD	4.18	<LOD	105.34	81.35	3.38	1888.74	273.71	290.25	5.79
12-Apr-12	111	19.8	wilder_5420	218	NA	1	2	0			198.63	10.3	<LOD	23.03	<LOD	73.58	130.28	10.23	<LOD	177.75	<LOD	876.13	<LOD	39.11	<LOD	13.55	11606.23	206.48	<LOD	25.95	<LOD	50.89	<LOD	180.36	<LOD	0	570.5	54.44	<LOD	12.17	51.66	3.09	<LOD	118.34	<LOD	4.85	<LOD	113.35	98.98	4	1531.46	295.52	331.43	6.76
12-Apr-12	112	19.86	wilder_5420	218	NA	1	2	0			205.47	10.5	<LOD	23.39	<LOD	73.67	149.49	10.88	<LOD	171.15	<LOD	961.78	<LOD	38.64	<LOD	13.71	10239.99	191.45	<LOD	25.58	<LOD	51.45	<LOD	175.53	<LOD	0	792.78	60.95	<LOD	11.98	51.56	3.09	<LOD	121.32	<LOD	5.01	<LOD	115.86	97.58	3.99	1669.94	315.77	316.27	6.61
12-Apr-12	113	20.14	wilder_5420	218	NA	1	2	0			165.69	8.55	<LOD	19.39	<LOD	65.15	131.2	9.22	<LOD	137.86	<LOD	758.15	<LOD	31.97	<LOD	11.97	8938.04	158.12	<LOD	20.56	<LOD	45.1	<LOD	148.94	<LOD	0	635.81	49.74	<LOD	10.49	42.45	2.57	<LOD	103.34	<LOD	4.04	<LOD	99.06	80.97	3.31	1168.05	250.26	279.57	5.56
12-Apr-12	114	20.53	wilder_5420	218	NA	1	2	2			72.93	6.46	<LOD	14.72	<LOD	69.1	74.09	7.66	<LOD	159.61	<LOD	815.24	<LOD	36.05	<LOD	13.24	10109.1	178.87	<LOD	20.57	<LOD	48.04	<LOD	159.7	<LOD	0	552.73	50.27	<LOD	11.23	52.85	2.93	<LOD	112.54	<LOD	4.1	<LOD	108.95	95.43	3.72	1417.36	273.67	323.18	6.3
12-Apr-12	115	18.53	wilder_5420	218	NA	1	2	2			89.61	6.77	<LOD	15.54	<LOD	67.31	66.94	7.23	<LOD	146.97	<LOD	852.78	<LOD	33.42	<LOD	13.25	9925.64	172.48	<LOD	22.54	<LOD	46.41	<LOD	159.31	<LOD	0	665.4	52.19	<LOD	10.89	43.99	2.66	<LOD	108.05	<LOD	3.52	<LOD	102.76	80.83	3.38	1711.89	285.32	303.01	5.93
12-Apr-12	116	20.59	wilder_5420	218	NA	1	2	2			110.64	7.24	<LOD	16.72	<LOD	65.04	74.03	7.38	<LOD	132.65	<LOD	779.53	<LOD	31.9	<LOD	11.99	9142.07	161.18	<LOD	22.62	<LOD	44.88	<LOD	148.18	<LOD	0	645.02	50.2	<LOD	10.54	41.71	2.56	<LOD	103.37	<LOD	3.93	<LOD	101.03	83.98	3.37	1382.33	260.8	247.15	5.27
12-Apr-12	117	20.92	wilder_5420	218	NA	1	2	4			59.76	6.26	<LOD	15.02	<LOD	72.51	63.71	7.55	184.95	60.46	<LOD	907.76	<LOD	33.94	<LOD	13.31	9631.93	179.73	<LOD	23.72	<LOD	50.77	<LOD	163.4	<LOD	0	433.13	48.35	<LOD	12.17	48.23	2.94	<LOD	118.4	<LOD	4.26	<LOD	113.14	95.93	3.87	2000.25	310.56	377.97	7.12
12-Apr-12	118	20.63	wilder_5420	218	NA	1	2	4			73.91	7.26	<LOD	16	<LOD	76.99	82.21	8.9	<LOD	165.99	<LOD	973.51	<LOD	40.88	<LOD	14.69	12792.95	232.12	<LOD	23.29	<LOD	54.06	<LOD	209.89	<LOD	0	617.77	59	<LOD	13.02	56.41	3.36	<LOD	124.39	<LOD	4.43	<LOD	121.03	97.59	4.2	2293.66	342.25	378.08	7.67
12-Apr-12	119	21.03	wilder_5420	218	NA	1	2	4			75.83	6.88	<LOD	16.05	<LOD	73.19	66.21	7.7	<LOD	140.5	<LOD	923.45	<LOD	37.83	<LOD	12.96	9846.98	184.07	<LOD	22.56	<LOD	50.77	<LOD	165.62	<LOD	0	498.09	50.34	<LOD	12.6	54.51	3.11	<LOD	119.56	<LOD	4.52	<LOD	114.13	96.65	3.92	1561.84	303.42	425.51	7.69
12-Apr-12	120	19.91	wilder_5420	218	NA	1	2	6			146.8	8.9	<LOD	20.45	<LOD	71.3	96.5	8.86	<LOD	136.17	<LOD	803.47	<LOD	34.99	<LOD	14.18	8268.33	164.63	<LOD	21.3	<LOD	49.91	<LOD	158.68	<LOD	0	492.28	49.1	<LOD	11.77	34.72	2.62	<LOD	116.44	<LOD	5.24	<LOD	111.66	69.1	3.4	1703.26	284.06	331.03	6.63
12-Apr-12	121	19.61	wilder_5420	218	NA	1	2	6			175.89	9.33	<LOD	20.91	<LOD	68.82	102.45	8.87	<LOD	140.9	<LOD	790.49	<LOD	35.35	<LOD	15.7	8282.04	160.18	<LOD	24.18	<LOD	47.77	<LOD	152.19	<LOD	0	614.29	51.82	<LOD	11.67	36.89	2.6	<LOD	109.45	<LOD	4.73	<LOD	105.88	79.92	3.5	1329.95	267.24	321.04	6.35
12-Apr-12	122	20.32	wilder_5420	218	NA	1	2	6			174.53	9.13	<LOD	20.8	<LOD	68.68	77.29	7.73	<LOD	158.7	<LOD	852.49	<LOD	35.81	<LOD	12.44	9933.24	175.47	<LOD	20.63	<LOD	47.88	<LOD	162.36	<LOD	0	490.94	48.03	<LOD	11.61	52.26	2.91	<LOD	112.16	<LOD	4.61	<LOD	106.88	89.46	3.6	1391.13	279.07	403.35	7.06
12-Apr-12	123	55																																																				
12-Apr-12	124	20.69	wilder_5420		2586						420.34	15.87	<LOD	35.11	<LOD	81.02	347.13	17.24	299.69	92.51	1820.6	484.24	98.23	23.29	<LOD	19.68	51354.66	661.03	67.54	12.28	<LOD	56.69	<LOD	395.79	<LOD	0	694.36	76.67	<LOD	12.44	50.25	3.32	<LOD	131.26	<LOD	6.42	<LOD	128.29	74.3	3.84	3738.52	478.53	262.75	6.41
12-Apr-12	125	19.19	wilder_5420		5861						56.42	6.65	61.08	6.55	85.75	27.03	110.16	15.12	1085.61	104.59	<LOD	877.96	1007.12	43.12	<LOD	17.83	16226.97	268.96	2939.79	62.7	119.64	18.69	<LOD	218.96	<LOD	0	157.65	48.14	<LOD	11.38	25.13	2.5	<LOD	134.04	6.5	2.09	<LOD	127.37	125.22	4.62	883.35	284.6	61.66	3.8
12-Apr-12	126	19.43	wilder_5420		2710						5834.8	90.72	616.29	49.82	<LOD	90.39	7344.15	119.05	<LOD	291.43	1775.96	518.22	81.33	25.17	74.65	17.21	38902.86	588.3	3191.71	74.31	102.61	21.47	<LOD	377.42	<LOD	0	9845.96	250.87	20.84	4.71	149.13	6.24	<LOD	146.99	<LOD	15.57	<LOD	142.84	343.42	8.99	1660.01	465.2	113.97	5.6
12-Apr-12	127	19.93	wilder_5420		4315						272.9	11.19	<LOD	25.8	<LOD	70.91	857.72	23.96	<LOD	138.92	<LOD	699.03	<LOD	28.97	<LOD	15.46	2889.06	87.19	110.49	11.9	66.09	16.45	<LOD	89.79	<LOD	0	567.46	47.52	<LOD	9.84	10.2	1.84	<LOD	117.37	<LOD	5.09	<LOD	111.77	281.46	6.26	<LOD	590.53	40.71	3.4
12-Apr-12	128	20.46	wilder_5420		2711						1213.77	27.73	120.4	20.11	<LOD	80.5	326.16	16.53	<LOD	214.31	1315.98	387.93	<LOD	55.38	<LOD	24.19	26214.16	381.46	127.73	14.14	71.32	18.61	<LOD	287.17	<LOD	0	541.9	62.31	<LOD	12.41	113.7	4.65	<LOD	131.23	9.78	3.13	130.81	42.32	263.83	6.81	1530.94	362.51	246.83	6.32
12-Apr-12	129	20.21	wilder_5420		Blank						<LOD	9.22	<LOD	6.14	<LOD	64.3	<LOD	9.77	<LOD	89.42	<LOD	516.07	<LOD	19.51	<LOD	10.89	<LOD	49.71	<LOD	16.58	<LOD	44.49	<LOD	29.62	<LOD	0	<LOD	45.78	<LOD	9.06	<LOD	3.72	<LOD	101.51	<LOD	3.32	<LOD	97.3	<LOD	4.15	<LOD	463.2	<LOD	6.26
4/10/2012 8:22	18	45	6425	110		1	4	0			929	77	79	45	< LOD	35	268	79	< LOD	941	411	32	< LOD	285	< LOD	34	18372	629	< LOD	182	< LOD	27	< LOD	432			< LOD	602			72	47	< LOD	53	< LOD	21	< LOD	71	194	61				
4/10/2012 8:26	19	32.33	6425	110		1	4	0			828	112	< LOD	94	< LOD	52	1094	163	< LOD	1693	552	55	< LOD	489	< LOD	58	18192	957	< LOD	318	< LOD	42	< LOD	708			1212	748			< LOD	112	< LOD	81	< LOD	35	< LOD	128	186	96				
4/10/2012 8:28	21	45	6425	110		1	4	0			623	91	< LOD	77	< LOD	46	938	143	< LOD	1538	629	51	< LOD	465	< LOD	56	17726	847	< LOD	288	< LOD	41	< LOD	637			< LOD	986			< LOD	99	< LOD	76	< LOD	30	< LOD	113	287	89				
4/10/2012 8:35	23	45	6425	110		1	4	0			810	95	< LOD	82	< LOD	45	1224	146	< LOD	1436	802	56	< LOD	445	< LOD	56	22854	899	< LOD	280	< LOD	40	< LOD	649			< LOD	942			< LOD	95	< LOD	73	< LOD	27	< LOD	111	312	84				
4/10/2012 8:41	25	32.28	6425	110		1	4	0			1174	152	< LOD	134	< LOD	69	1573	222	4422	1564	824	78	< LOD	672	< LOD	75	28223	1356	< LOD	435	< LOD	58	< LOD	947			< LOD	1342			< LOD	140	< LOD	111	< LOD	40	< LOD	160	258	126				
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4/10/2012 8:57	35	45.03	6425	110		1	4	6			961	82	< LOD	71	< LOD	34	1027	105	< LOD	996	427	34	< LOD	301	< LOD	38	14856	609	< LOD	195	< LOD	25	< LOD	443			1169	456			< LOD	75	< LOD	51	< LOD	21	< LOD	78	197	60				
4/10/2012 8:58	36	45.03	6425	110		1	4	6			862	71	< LOD	61	< LOD	29	968	91	< LOD	821	294	26	< LOD	246	< LOD	29	11069	489	< LOD	163	< LOD	23	< LOD	358			806	365			< LOD	67	< LOD	41	< LOD	19	< LOD	62	152	52				
4/10/2012 9:08	37	45.03	6425	115		1	4	0			847	93	< LOD	82	< LOD	44	817	128	< LOD	1376	697	50	< LOD	411	< LOD	51	17389	781	< LOD	264	< LOD	38	< LOD	602			< LOD	886			< LOD	92	< LOD	72	< LOD	26	< LOD	104	279	78				
4/10/2012 9:09	38	45.03	6425	115		1	4	0			677	77	< LOD	67	< LOD	36	648	105	< LOD	1153	531	40	< LOD	350	< LOD	41	12660	617	< LOD	220	< LOD	30	< LOD	485			< LOD	723			< LOD	79	< LOD	57	< LOD	24	< LOD	85	241	66				
4/10/2012 9:13	43	45.03	6425	115		1	4	2			594	56	< LOD	47	< LOD	25	458	67	780	493	234	22	< LOD	211	< LOD	26	7370	381	< LOD	135	< LOD	19	< LOD	289			< LOD	462			82	40	< LOD	35	< LOD	16	< LOD	54	97	45				
4/10/2012 9:14	44	31.58	6425	115		1	4	2			537	65	< LOD	56	< LOD	28	365	78	1970	637	232	26	< LOD	270	< LOD	31	7831	465	< LOD	166	< LOD	25	< LOD	356			< LOD	573			113	48	< LOD	41	< LOD	19	< LOD	63	152	54				
4/10/2012 9:16	45	45.03	6425	115		1	4	2			567	64	< LOD	54	< LOD	31	486	80	< LOD	814	255	25	< LOD	260	< LOD	34	6662	426	< LOD	163	< LOD	24	< LOD	344			< LOD	547			73	46	< LOD	44	< LOD	19	< LOD	66	101	54				
4/10/2012 9:20	46	37.59	6425	115		1	4	4			446	60	< LOD	51	< LOD	31	454	82	< LOD	882	277	27	< LOD	275	< LOD	33	6261	427	< LOD	173	< LOD	24	< LOD	359			< LOD	571			111	46	< LOD	46	< LOD	19	< LOD	71	130	54				
4/10/2012 9:21	47	33.84	6425	115		1	4	4			764	82	< LOD	71	< LOD	35	816	106	2557	768	292	31	< LOD	314	< LOD	38	13096	626	< LOD	204	< LOD	27	< LOD	447			< LOD	667			< LOD	80	< LOD	52	< LOD	24	< LOD	78	140	62				
4/10/2012 9:23	49	45.03	6425	115		1	4	4			603	64	< LOD	55	< LOD	30	441	80	4834	727	334	28	379	191	< LOD	30	14436	555	< LOD	173	< LOD	24	< LOD	397			764	412			82	45	< LOD	44	< LOD	19	< LOD	65	108	53				
4/10/2012 9:36	50	30	6425	115		3	1	0			793	135	< LOD	116	< LOD	65	449	174	< LOD	1978	270	48	< LOD	616	< LOD	78	13672	1052	< LOD	392	< LOD	51	< LOD	843			< LOD	1282			< LOD	141	< LOD	100	< LOD	42	< LOD	155	< LOD	175				
4/10/2012 9:38	51	30	6425	115		3	1	0			693	105	< LOD	89	< LOD	50	472	135	< LOD	1461	230	37	< LOD	442	< LOD	54	13638	849	< LOD	300	< LOD	39	< LOD	645			< LOD	1001			< LOD	111	< LOD	74	< LOD	33	< LOD	110	172	89				
4/10/2012 9:39	52	30	6425	115		3	1	0			2605	774	< LOD	721	< LOD	366	8954	1428	< LOD	11181	835	240	< LOD	3574	3857	609	74988	6669	2888	1858	< LOD	355	< LOD	4932			< LOD	7652			< LOD	829	< LOD	563	472	234	< LOD	859	< LOD	1013				
4/10/2012 9:48	53	30	6425	115		3	1	2			508	89	< LOD	75	< LOD	47	320	119	< LOD	1430	337	41	< LOD	429	< LOD	50	13363	794	< LOD	267	< LOD	40	< LOD	593			< LOD	921			< LOD	100	< LOD	73	< LOD	28	< LOD	105	< LOD	121				
4/10/2012 9:49	54	27.82	6425	115		3	1	2			622	105	< LOD	92	< LOD	51	483	140	< LOD	1587	231	38	< LOD	485	< LOD	54	13970	886	< LOD	310	< LOD	42	< LOD	656			< LOD	1014			< LOD	116	< LOD	80	< LOD	33	< LOD	118	225	92				
4/10/2012 9:51	55	30	6425	115		3	1	2			561	112	< LOD	96	< LOD	62	365	153	< LOD	1718	180	38	< LOD	536	< LOD	67	11517	918	< LOD	350	< LOD	51	< LOD	711			< LOD	1169			< LOD	131	< LOD	90	< LOD	38	< LOD	136	< LOD	158				
4/10/2012 9:53	56	25.55	6425	115		3	1	4			357	72	< LOD	59	< LOD	39	296	94	< LOD	1016	195	29	< LOD	312	< LOD	37	6501	539	< LOD	209	< LOD	30	< LOD	419			< LOD	652			< LOD	89	< LOD	54	< LOD	25	< LOD	78	103	68				
4/10/2012 11:07	61	30	6425	105		3	1	30			652	85	< LOD	72	< LOD	39	793	118	< LOD	1153	523	45	< LOD	355	< LOD	43	10365	643	< LOD	226	< LOD	33	< LOD	489			< LOD	780			< LOD	88	< LOD	62	< LOD	25	< LOD	90	141	71				
4/10/2012 11:09	62	30	6425	105		3	1	30			626	91	< LOD	77	< LOD	46	641	123	< LOD	1255	450	45	< LOD	381	< LOD	47	10551	697	< LOD	254	< LOD	38	< LOD	555			< LOD	838			< LOD	97	< LOD	65	< LOD	26	< LOD	100	188	78				
4/10/2012 11:10	63	30	6425	105		3	1	30			598	83	< LOD	72	< LOD	42	522	109	< LOD	1210	431	42	< LOD	358	< LOD	43	11804	674	< LOD	229	< LOD	31	< LOD	519			< LOD	786			< LOD	89	< LOD	61	< LOD	25	< LOD	91	152	73				
4/10/2012 11:11	64	30	6425	105		3	1	2			551	84	< LOD	74	< LOD	42	646	120	< LOD	1264	476	45	< LOD	381	< LOD	50	11902	704	< LOD	247	< LOD	35	< LOD	551			< LOD	834			< LOD	92	< LOD	65	< LOD	26	< LOD	96	< LOD	111				
4/10/2012 11:12	65	30	6425	105		3	1	2			414	81	< LOD	68	< LOD	45	403	113	2025	926	335	39	< LOD	390	< LOD	43	10718	697	< LOD	245	< LOD	35	< LOD	513			< LOD	860			142	67	< LOD	64	< LOD	28	< LOD	95	< LOD	118				
4/10/2012 11:13	66	30	6425	105		3	1	2			425	63	< LOD	52	< LOD	32	321	78	< LOD	840	230	27	< LOD	253	< LOD	33	7120	465	< LOD	167	< LOD	23	< LOD	362			< LOD	544			< LOD	72	< LOD	43	< LOD	21	< LOD	66	129	56				
4/10/2012 11:15	67	30	6425	105		3	1	4			393	70	< LOD	58	< LOD	36	525	100	< LOD	1096	281	33	< LOD	315	< LOD	38	7662	547	< LOD	203	< LOD	30	< LOD	432			< LOD	688			< LOD	85	< LOD	52	< LOD	21	< LOD	78	127	66				
4/10/2012 12:10	68	30	6425	106		1	1	0			940	114	< LOD	99	< LOD	49	795	143	4851	1171	451	49	< LOD	466	< LOD	55	22199	995	< LOD	291	< LOD	41	< LOD	703			< LOD	1022			115	73	< LOD	77	< LOD	32	< LOD	113	305	92				
4/10/2012 12:11	69	30	6425	106		1	1	0			886	110	< LOD	95	< LOD	51	654	138	5630	1190	504	51	< LOD	453	< LOD	54	20486	955	< LOD	290	< LOD	40	< LOD	667			< LOD	970			129	73	< LOD	73	< LOD	31	< LOD	112	223	90				
4/10/2012 12:12	70	30	6425	106		1	1	0			733	99	< LOD	85	< LOD	45	542	126	6693	1171	436	46	482	302	< LOD	47	23359	971	< LOD	268	< LOD	34	< LOD	665			993	661			< LOD	102	< LOD	69	< LOD	29	< LOD	106	276	84				
4/10/2012 12:15	71	30	6425	106		1	1	2			330	70	< LOD	58	< LOD	39	336	99	2774	850	278	34	< LOD	343	< LOD	38	11320	652	< LOD	222	< LOD	32	< LOD	476			< LOD	742			< LOD	88	< LOD	53	< LOD	25	< LOD	80	106	70				
4/10/2012 12:16	72	30	6425	106		1	1	2			479	76	< LOD	63	< LOD	37	433	101	3835	874	274	33	< LOD	335	< LOD	41	14149	702	< LOD	212	< LOD	33	< LOD	487			< LOD	758			< LOD	87	< LOD	53	< LOD	22	< LOD	81	231	70				
4/10/2012 12:17	74	30	6425	106		1	1	2			244	49	< LOD	41	< LOD	28	172	65	2120	591	182	22	< LOD	247	< LOD	30	7995	441	< LOD	150	< LOD	21	< LOD	327			< LOD	510			< LOD	66	< LOD	39	< LOD	17	< LOD	61	93	51				
4/10/2012 12:20	75	30	6425	106		3	3	30			366	74	< LOD	63	< LOD	42	310	105	3443	941	284	35	453	263	< LOD	42	14552	751	< LOD	239	< LOD	32	< LOD	521			< LOD	828			< LOD	92	< LOD	60	< LOD	24	< LOD	88	< LOD	108				
4/10/2012 12:21	76	30	6425	106		3	3	30			338	67	< LOD	57	< LOD	37	203	89	1419	760	264	32	< LOD	333	< LOD	38	11430	626	< LOD	213	< LOD	30	< LOD	454			< LOD	696			< LOD	84	< LOD	54	< LOD	24	< LOD	77	< LOD	97				
4/10/2012 12:22	77	30	6425	106		3	3	30			365	75	< LOD	63	< LOD	44	184	100	3865	963	317	38	< LOD	383	< LOD	42	16529	796	< LOD	232	< LOD	36	< LOD	563			1107	578			< LOD	91	< LOD	63	< LOD	26	< LOD	92	< LOD	112				
4/10/2012 12:24	78	30	6425	106		3	3	2			286	63	< LOD	52	< LOD	38	202	86	2325	778	272	32	< LOD	315	< LOD	34	11702	624	< LOD	198	< LOD	31	< LOD	447			< LOD	681			< LOD	83	< LOD	52	< LOD	21	< LOD	80	< LOD	96				
4/10/2012 12:25	79	30	6425	106		3	3	0			572	85	< LOD	73	< LOD	41	626	119	1916	921	500	46	< LOD	399	< LOD	47	14238	746	< LOD	242	< LOD	35	< LOD	555			< LOD	845			98	62	< LOD	64	< LOD	30	< LOD	98	231	76				
4/10/2012 12:26	80	30	6425	106		3	3	0			680	106	< LOD	90	< LOD	54	754	150	< LOD	1598	552	56	< LOD	490	< LOD	58	14188	881	< LOD	306	< LOD	40	< LOD	671			< LOD	997			< LOD	114	< LOD	76	< LOD	32	< LOD	116	< LOD	139				
4/10/2012 12:28	81	30	6425	106		3	3	0			633	93	< LOD	78	< LOD	44	767	132	< LOD	1380	449	46	< LOD	415	< LOD	47	10608	715	< LOD	261	< LOD	37	< LOD	552			< LOD	854			112	68	< LOD	66	< LOD	30	< LOD	99	217	80				
4/10/2012 12:29	82	30	6425	106		3	1	0			252	75	< LOD	64	< LOD	45	222	116	< LOD	1469	403	45	< LOD	416	< LOD	47	10515	736	< LOD	272	< LOD	40	< LOD	551			< LOD	900			< LOD	102	< LOD	71	< LOD	29	< LOD	112	< LOD	129				
4/10/2012 12:30	83	30	6425	106		3	1	0			321	74	< LOD	64	< LOD	42	306	112	< LOD	1338	393	42	< LOD	418	< LOD	51	11216	709	< LOD	251	< LOD	37	< LOD	563			< LOD	870			< LOD	96	< LOD	70	< LOD	27	< LOD	103	135	78				
4/10/2012 12:31	84	30	6425	106		3	1	0			279	82	< LOD	68	< LOD	51	< LOD	183	< LOD	1480	465	50	< LOD	462	< LOD	52	11521	801	< LOD	296	< LOD	41	< LOD	628			< LOD	976			< LOD	108	< LOD	81	< LOD	32	< LOD	114	< LOD	131				
4/10/2012 12:33	85	30	6425	106		3	1	30			253	80	< LOD	67	< LOD	54	< LOD	170	< LOD	1580	390	46	< LOD	478	< LOD	58	11742	805	< LOD	296	< LOD	42	< LOD	626			< LOD	997			< LOD	110	< LOD	75	< LOD	29	< LOD	119	< LOD	134				
4/10/2012 12:34	86	30	6425	106		3	1	30			304	114	< LOD	91	< LOD	68	< LOD	264	2927	1564	330	55	< LOD	655	< LOD	81	11538	1070	< LOD	437	< LOD	62	< LOD	848			< LOD	1456			< LOD	151	< LOD	113	< LOD	46	< LOD	162	< LOD	185				
4/10/2012 12:35	87	30	6425	106		3	1	30			235	76	< LOD	63	< LOD	48	< LOD	168	7687	1253	346	43	570	318	< LOD	51	19649	942	< LOD	277	< LOD	40	< LOD	669			< LOD	1026			< LOD	101	< LOD	70	< LOD	31	< LOD	108	< LOD	131				
4/10/2012 12:40	88	30	6425	106		3	1	30			247	145	< LOD	125	< LOD	88	1466	286	< LOD	2630	508	79	< LOD	824	562	113	14167	1375	< LOD	580	< LOD	71	< LOD	1107			< LOD	1729			< LOD	203	< LOD	134	83	49	< LOD	207	< LOD	240				
4/10/2012 13:53	89	30	6425	127		1	1	0			412	78	< LOD	68	< LOD	43	506	112	< LOD	1256	350	39	< LOD	367	< LOD	45	11321	684	< LOD	237	< LOD	33	< LOD	504			< LOD	755			97	64	< LOD	58	< LOD	28	< LOD	89	195	75				
4/10/2012 13:54	90	30	6425	127		1	1	0			528	92	< LOD	76	< LOD	48	485	132	< LOD	1485	506	51	< LOD	453	< LOD	55	13111	812	< LOD	289	< LOD	42	< LOD	644			< LOD	967			< LOD	101	< LOD	76	< LOD	29	< LOD	115	< LOD	131				
4/10/2012 13:55	91	30	6425	127		1	1	0			461	89	< LOD	75	< LOD	50	680	139	< LOD	1544	615	56	< LOD	471	< LOD	52	12200	794	< LOD	296	< LOD	40	< LOD	627			< LOD	972			< LOD	102	< LOD	77	< LOD	31	< LOD	113	< LOD	128				
4/10/2012 13:56	92	30	6425	127		1	1	0			377	79	< LOD	70	< LOD	45	706	130	< LOD	1395	508	48	< LOD	408	< LOD	48	13319	771	< LOD	264	< LOD	39	< LOD	606			< LOD	894			< LOD	94	< LOD	73	< LOD	27	< LOD	103	165	80				
4/10/2012 13:57	93	30	6425	127		1	1	0			560	95	< LOD	79	< LOD	50	688	142	< LOD	1601	634	57	< LOD	467	< LOD	52	15051	862	< LOD	296	< LOD	42	< LOD	639			< LOD	976			< LOD	106	< LOD	75	< LOD	30	< LOD	113	164	89				
4/10/2012 13:58	95	30	6425	127		1	1	0			461	84	< LOD	72	< LOD	46	721	133	< LOD	1430	622	54	< LOD	439	< LOD	51	14294	799	< LOD	273	< LOD	37	< LOD	597			< LOD	918			< LOD	95	< LOD	73	< LOD	26	< LOD	105	130	83				
4/10/2012 13:59	96	30	6425	127		1	1	0			1109	339	< LOD	296	< LOD	182	4392	655	< LOD	5413	1389	187	< LOD	1732	1157	237	33676	2995	< LOD	1257	< LOD	156	< LOD	2336			< LOD	3560			< LOD	386	< LOD	272	186	101	< LOD	410	< LOD	488				
4/10/2012 14:00	97	30	6425	127		1	1	0			491	104	< LOD	88	< LOD	58	659	164	4222	1359	471	56	< LOD	549	< LOD	62	18985	1064	< LOD	363	< LOD	46	< LOD	765			< LOD	1232			< LOD	127	< LOD	90	< LOD	34	< LOD	128	161	103				
4/10/2012 14:01	98	30	6425	127		1	1	0			586	113	< LOD	93	< LOD	61	560	163	2673	1342	560	61	< LOD	564	< LOD	66	17489	1057	< LOD	359	< LOD	54	< LOD	794			1610	864			< LOD	128	< LOD	90	< LOD	39	< LOD	141	162	108				
4/10/2012 14:02	100	30	6425	127		1	1	0			445	109	< LOD	95	< LOD	60	683	175	6600	1545	508	60	< LOD	613	< LOD	72	24261	1227	< LOD	378	< LOD	51	< LOD	859			< LOD	1334			< LOD	134	< LOD	100	< LOD	41	< LOD	140	167	110				
4/10/2012 14:08	103	30	6425	127		1	1	2			154	57	< LOD	48	< LOD	39	137	88	1852	798	298	33	< LOD	330	< LOD	38	8900	578	< LOD	210	< LOD	30	< LOD	426			< LOD	707			< LOD	84	< LOD	57	< LOD	25	< LOD	83	< LOD	98				
4/10/2012 14:09	104	30	6425	127		1	1	2			270	69	< LOD	58	< LOD	41	436	109	2204	901	322	37	< LOD	378	< LOD	43	9961	651	< LOD	237	< LOD	34	< LOD	493			< LOD	826			< LOD	91	< LOD	60	< LOD	26	< LOD	92	< LOD	111				
4/10/2012 14:10	105	30	6425	127		1	1	2			282	66	< LOD	55	< LOD	39	301	98	< LOD	1152	309	35	< LOD	342	< LOD	38	8804	597	< LOD	218	< LOD	31	< LOD	467			< LOD	729			< LOD	86	< LOD	58	< LOD	23	< LOD	86	170	68				
4/10/2012 14:12	106	30	6425	127		3	2	30			271	73	< LOD	63	< LOD	44	250	112	4896	1100	2139	96	< LOD	431	< LOD	49	15895	818	< LOD	258	< LOD	38	< LOD	600			< LOD	901			< LOD	95	< LOD	69	< LOD	27	< LOD	107	< LOD	119				
4/10/2012 14:13	107	25.56	6425	127		3	2	30			198	65	< LOD	56	< LOD	41	183	97	< LOD	1236	2248	96	< LOD	364	< LOD	43	6761	578	< LOD	221	< LOD	34	< LOD	477			< LOD	782			< LOD	92	< LOD	62	< LOD	27	< LOD	95	< LOD	108				
4/10/2012 14:15	109	30	6425	127		3	2	30			241	67	< LOD	55	< LOD	43	< LOD	152	2282	953	1184	69	< LOD	404	< LOD	41	13679	740	< LOD	247	< LOD	36	< LOD	536			< LOD	859			< LOD	90	< LOD	65	< LOD	24	< LOD	100	< LOD	111				

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
4/10/2012 14:16	110	30	6425	127		3	2	0			320	80	< LOD	68	< LOD	47	279	118	< LOD	1411	4193	140	< LOD	431	< LOD	48	9681	718	< LOD	272	< LOD	38	< LOD	568			< LOD	894			< LOD	102	< LOD	76	< LOD	28	< LOD	110	148	84				
4/10/2012 14:17	111	28.63	6425	127		3	2	0			359	80	< LOD	68	< LOD	49	231	114	< LOD	1346	2876	115	< LOD	420	< LOD	44	10933	737	< LOD	268	< LOD	39	< LOD	562			939	612			< LOD	100	< LOD	72	< LOD	26	< LOD	106	< LOD	126				
4/10/2012 14:18	112	30	6425	127		3	2	0			407	97	< LOD	84	< LOD	53	301	140	3041	1251	3836	148	< LOD	510	< LOD	64	15650	958	< LOD	325	< LOD	47	< LOD	726			< LOD	1112			< LOD	119	< LOD	91	< LOD	35	< LOD	130	156	100				
4/10/2012 14:56	113	30	6425	143		3	1	30			266	70	< LOD	61	< LOD	42	239	105	1416	911	535	48	< LOD	388	< LOD	46	14445	762	< LOD	241	< LOD	37	< LOD	538			< LOD	855			< LOD	92	< LOD	67	< LOD	25	< LOD	101	157	78				
4/10/2012 14:56	114	30	6425	143		3	1	30			319	79	< LOD	67	< LOD	47	449	125	4371	1111	520	50	504	309	< LOD	49	17732	880	< LOD	276	< LOD	39	< LOD	638			< LOD	931			< LOD	102	< LOD	72	< LOD	31	< LOD	105	158	84				
4/10/2012 14:58	115	30	6425	143		3	1	30			269	69	< LOD	58	< LOD	43	< LOD	143	< LOD	1262	383	41	< LOD	368	< LOD	45	9125	637	< LOD	229	< LOD	35	< LOD	479			< LOD	770			< LOD	94	< LOD	61	< LOD	24	< LOD	92	152	73				
4/10/2012 14:59	116	30	6425	143		3	1	30			217	59	< LOD	49	< LOD	36	221	87	< LOD	1035	259	31	< LOD	311	< LOD	37	6548	507	< LOD	204	< LOD	28	< LOD	417			< LOD	663			< LOD	82	< LOD	53	< LOD	22	< LOD	79	128	63				
4/10/2012 15:00	117	30	6425	143		3	1	30			257	58	< LOD	48	< LOD	34	211	82	< LOD	1040	295	31	< LOD	299	< LOD	36	8837	537	< LOD	189	< LOD	28	< LOD	413			< LOD	666			87	52	< LOD	52	< LOD	20	< LOD	76	< LOD	90				
4/10/2012 15:02	118	21.78	6425	143		3	1	30			256	80	< LOD	69	< LOD	50	274	120	4108	1131	342	45	< LOD	453	< LOD	53	14998	883	< LOD	268	< LOD	41	< LOD	625			< LOD	944			114	74	< LOD	72	< LOD	32	< LOD	107	< LOD	128				
4/12/2012 8:46	139	30	6425								101	48	< LOD	40	< LOD	35	< LOD	111	1628	708	210	27	< LOD	307	< LOD	35	6226	475	< LOD	179	< LOD	29	< LOD	385			< LOD	646			< LOD	76	< LOD	50	< LOD	20	< LOD	75	< LOD	89				
4/12/2012 8:49	140	30	6425								67	42	< LOD	36	< LOD	32	< LOD	102	< LOD	896	244	26	< LOD	263	< LOD	29	4190	387	< LOD	165	< LOD	26	< LOD	322			< LOD	573			< LOD	68	< LOD	44	< LOD	20	< LOD	68	< LOD	79				
4/12/2012 8:50	141	30	6425								169	56	< LOD	44	< LOD	39	< LOD	121	< LOD	1053	211	28	< LOD	310	< LOD	34	4433	458	< LOD	192	< LOD	29	< LOD	388			< LOD	659			< LOD	83	< LOD	53	< LOD	23	< LOD	81	118	64				
4/12/2012 8:51	142	30	6425								< LOD	65	< LOD	35	< LOD	33	< LOD	101	< LOD	896	235	27	< LOD	273	< LOD	30	4447	412	< LOD	167	< LOD	26	< LOD	347			< LOD	594			< LOD	71	< LOD	49	< LOD	20	< LOD	71	99	56				
4/12/2012 8:53	143	30	6425								< LOD	63	< LOD	34	< LOD	31	< LOD	100	< LOD	953	216	25	< LOD	280	< LOD	29	4044	394	< LOD	166	< LOD	26	< LOD	344			886	415			81	48	< LOD	47	< LOD	18	< LOD	71	< LOD	81				
4/12/2012 8:57	144	30	6425	222		1	1				< LOD	67	< LOD	37	< LOD	34	< LOD	110	< LOD	1031	256	29	< LOD	298	< LOD	34	5230	446	< LOD	178	< LOD	26	< LOD	385			< LOD	632			< LOD	74	< LOD	51	< LOD	19	< LOD	76	94	58				
4/12/2012 8:58	145	30	6425	222		1	1				100	48	< LOD	38	< LOD	31	< LOD	109	< LOD	971	328	32	< LOD	291	< LOD	34	3775	409	< LOD	181	< LOD	24	< LOD	373			< LOD	615			< LOD	75	< LOD	50	< LOD	21	< LOD	74	109	58				
4/12/2012 8:59	146	30	6425	222		1	1				< LOD	142	< LOD	83	< LOD	68	919	201	< LOD	1920	441	61	< LOD	625	489	86	6265	863	< LOD	432	< LOD	56	< LOD	768			< LOD	1235			< LOD	152	< LOD	99	< LOD	51	< LOD	150	< LOD	183				
4/12/2012 9:00	147	30	6425	222		1	1				95	51	< LOD	43	< LOD	37	< LOD	123	1459	798	375	37	< LOD	336	< LOD	39	5512	497	< LOD	210	< LOD	30	< LOD	428			< LOD	733			< LOD	81	< LOD	57	< LOD	21	< LOD	85	< LOD	96				
4/12/2012 9:02	148	30	6425	221		1	1				144	63	< LOD	49	< LOD	43	< LOD	147	< LOD	1371	460	45	< LOD	382	< LOD	51	9297	658	< LOD	245	< LOD	37	< LOD	517			< LOD	831			< LOD	92	< LOD	66	< LOD	26	< LOD	102	184	76				
4/12/2012 9:03	149	30	6425	221		1	1				99	62	< LOD	51	< LOD	48	< LOD	149	< LOD	1388	440	45	< LOD	419	< LOD	49	10240	701	< LOD	263	< LOD	36	< LOD	556			< LOD	894			< LOD	97	< LOD	72	< LOD	26	< LOD	103	198	81				
4/12/2012 9:03	150	30	6425	221		1	1				< LOD	92	< LOD	52	< LOD	49	< LOD	154	< LOD	1417	496	49	< LOD	421	< LOD	48	8700	683	< LOD	258	< LOD	37	< LOD	559			< LOD	903			< LOD	101	< LOD	70	< LOD	29	< LOD	108	< LOD	125				
4/12/2012 9:06	151	30	6425	221		1	1				< LOD	87	< LOD	49	< LOD	44	< LOD	143	< LOD	1342	510	46	< LOD	395	< LOD	46	9467	657	< LOD	246	< LOD	34	< LOD	534			< LOD	850			< LOD	91	< LOD	69	< LOD	27	< LOD	103	< LOD	115				
4/12/2012 9:08	154	30	6425	221		1	1				< LOD	98	< LOD	54	< LOD	50	< LOD	155	< LOD	1453	463	48	< LOD	440	< LOD	52	7714	680	< LOD	273	< LOD	38	< LOD	585			< LOD	922			< LOD	101	< LOD	75	< LOD	29	< LOD	111	< LOD	126				
4/12/2012 9:10	155	30	6425	221		1	1				91	59	< LOD	47	< LOD	43	< LOD	146	< LOD	1266	520	47	< LOD	388	< LOD	45	9556	666	< LOD	247	< LOD	35	< LOD	545			< LOD	854			< LOD	93	< LOD	64	< LOD	27	< LOD	98	155	76				
4/12/2012 9:11	156	30	6425	221		1	1				< LOD	78	< LOD	42	< LOD	39	< LOD	134	< LOD	1175	478	42	< LOD	358	< LOD	40	7411	562	< LOD	217	< LOD	30	< LOD	481			< LOD	740			< LOD	86	< LOD	57	< LOD	23	< LOD	91	195	69				
4/12/2012 9:12	157	30	6425	221		1	1				< LOD	84	< LOD	48	< LOD	45	< LOD	145	< LOD	1343	591	50	< LOD	396	< LOD	46	11230	696	< LOD	247	< LOD	35	< LOD	553			< LOD	870			< LOD	91	< LOD	66	< LOD	25	< LOD	103	173	76				
4/12/2012 9:13	159	30	6425	221		1	1				111	62	< LOD	49	< LOD	46	< LOD	149	< LOD	1367	499	47	< LOD	418	< LOD	45	9879	685	< LOD	243	< LOD	37	< LOD	544			< LOD	860			< LOD	95	< LOD	65	< LOD	26	< LOD	100	170	80				
4/12/2012 9:14	160	30	6425	221		1	1				117	59	< LOD	48	< LOD	40	< LOD	144	2820	949	476	44	< LOD	384	< LOD	44	13429	725	< LOD	232	< LOD	34	< LOD	540			< LOD	829			< LOD	88	< LOD	65	< LOD	26	< LOD	97	143	75				
4/12/2012 9:16	161	30	6425	221		1	1				< LOD	86	< LOD	49	< LOD	46	< LOD	150	< LOD	1368	513	48	< LOD	407	< LOD	48	8466	654	< LOD	245	< LOD	35	< LOD	517			< LOD	867			< LOD	95	< LOD	64	< LOD	27	< LOD	99	183	79				
4/12/2012 10:17	162	30	6425	224		3	3	30			288	57	< LOD	49	< LOD	32	392	85	< LOD	918	720	46	< LOD	279	< LOD	34	5674	448	< LOD	180	< LOD	24	< LOD	358			< LOD	591			83	50	< LOD	46	< LOD	21	< LOD	73	< LOD	83				
4/12/2012 10:19	164	30	6425	224		3	3	30			169	53	< LOD	44	< LOD	34	218	82	< LOD	1004	674	46	< LOD	303	< LOD	37	6787	494	< LOD	185	< LOD	27	< LOD	396			< LOD	656			< LOD	77	< LOD	48	< LOD	20	< LOD	76	134	59				
4/12/2012 10:20	165	30	6425	224		3	3	30			121	44	< LOD	36	< LOD	28	< LOD	98	< LOD	851	281	28	< LOD	251	< LOD	29	4469	385	< LOD	159	< LOD	24	< LOD	312			< LOD	528			114	47	< LOD	41	< LOD	17	< LOD	66	130	52				
4/12/2012 10:21	166	30	6425	224		3	3	2			263	64	< LOD	54	< LOD	39	326	98	< LOD	1162	434	40	< LOD	339	< LOD	40	9037	595	< LOD	217	< LOD	33	< LOD	467			< LOD	731			< LOD	85	< LOD	60	< LOD	22	< LOD	91	< LOD	101				
4/9/2012 15:31	25	30	6424	174		1	3	0			171	54	< LOD	46	< LOD	37	< LOD	113	< LOD	905	265	33	< LOD	410	< LOD	64	5421	463	< LOD	174	< LOD	90	< LOD	486			< LOD	637			< LOD	74	< LOD	48	< LOD	24	< LOD	100	95	59				
4/9/2012 15:32	26	30	6424	174		1	3	0			162	54	< LOD	47	< LOD	38	162	80	< LOD	896	294	35	< LOD	430	< LOD	71	6031	490	< LOD	176	< LOD	93	< LOD	533			987	459			< LOD	75	< LOD	51	< LOD	23	< LOD	106	< LOD	91				
4/9/2012 15:33	27	30	6424	174		1	3	0			167	58	< LOD	51	< LOD	41	136	88	< LOD	1061	427	43	< LOD	481	< LOD	77	8144	575	< LOD	201	< LOD	106	< LOD	592			825	516			< LOD	80	< LOD	56	< LOD	26	< LOD	118	< LOD	99				
4/9/2012 15:34	28	30	6424	174		1	3	2			340	66	< LOD	57	< LOD	40	266	88	< LOD	956	322	37	< LOD	448	< LOD	71	7768	544	< LOD	189	< LOD	97	< LOD	541			< LOD	687			< LOD	78	< LOD	51	< LOD	26	< LOD	108	104	65				
4/9/2012 15:35	29	30	6424	174		1	3	2			156	51	< LOD	44	< LOD	36	185	75	< LOD	878	274	32	< LOD	384	< LOD	61	7148	482	< LOD	163	< LOD	85	< LOD	494			< LOD	622			< LOD	70	< LOD	47	< LOD	23	< LOD	96	111	57				
4/9/2012 15:36	30	30	6424	174		1	3	2			219	53	< LOD	45	< LOD	37	116	71	< LOD	866	244	31	< LOD	395	< LOD	61	6420	464	< LOD	158	< LOD	85	< LOD	470			< LOD	611			< LOD	70	< LOD	44	< LOD	20	< LOD	97	< LOD	84				
4/9/2012 15:39	31	30	6424	174		1	3	2			187	50	< LOD	44	< LOD	33	164	71	< LOD	805	255	30	< LOD	371	< LOD	57	5825	437	< LOD	158	< LOD	82	486	318			< LOD	591			< LOD	66	< LOD	41	< LOD	22	< LOD	92	< LOD	79				
4/9/2012 15:41	32	30	6424	174		1	3	2			301	62	< LOD	53	< LOD	37	231	82	< LOD	922	274	34	< LOD	415	< LOD	61	7910	527	< LOD	178	< LOD	91	< LOD	526			675	443			< LOD	76	< LOD	49	< LOD	23	< LOD	102	< LOD	93				
4/9/2012 15:42	33	30	6424	174		1	3	2			245	59	< LOD	50	< LOD	39	< LOD	118	< LOD	933	286	35	< LOD	426	< LOD	72	6720	508	< LOD	180	< LOD	92	< LOD	539			895	462			< LOD	76	< LOD	52	< LOD	23	< LOD	104	< LOD	92				
4/9/2012 15:45	34	30	6424	174		1	3	4			139	49	< LOD	41	< LOD	35	< LOD	106	< LOD	886	281	32	< LOD	396	< LOD	61	5408	441	< LOD	167	< LOD	86	< LOD	488			< LOD	607			< LOD	70	< LOD	45	< LOD	21	< LOD	96	< LOD	84				
4/9/2012 15:46	35	30	6424	174		1	3	4			234	59	< LOD	50	< LOD	38	177	83	< LOD	941	272	34	< LOD	444	< LOD	62	8087	545	< LOD	186	< LOD	96	< LOD	538			1156	481			< LOD	75	< LOD	51	< LOD	25	< LOD	108	< LOD	93				
4/9/2012 15:47	36	30	6424	174		1	3	6			127	48	< LOD	42	< LOD	35	268	76	< LOD	839	249	30	< LOD	367	< LOD	61	6148	450	< LOD	159	< LOD	83	< LOD	460			617	405			72	47	< LOD	42	< LOD	22	< LOD	95	< LOD	82				
4/9/2012 15:48	37	30	6424	174		1	3	6			185	53	< LOD	46	< LOD	35	182	75	< LOD	860	264	32	< LOD	405	< LOD	63	6777	474	< LOD	168	< LOD	86	< LOD	470			634	417			< LOD	70	< LOD	47	< LOD	24	< LOD	99	< LOD	86				
4/9/2012 15:49	38	30	6424	174		1	3	6			103	43	< LOD	37	< LOD	33	192	67	< LOD	756	176	26	< LOD	339	< LOD	51	4014	374	< LOD	146	< LOD	74	< LOD	405			< LOD	537			< LOD	67	< LOD	39	< LOD	18	< LOD	84	< LOD	77				
4/9/2012 15:51	39	30	6424	174		1	3	8			160	47	< LOD	39	< LOD	31	< LOD	96	< LOD	786	237	28	< LOD	366	< LOD	55	5306	404	< LOD	145	< LOD	76	< LOD	438			< LOD	545			< LOD	65	< LOD	42	< LOD	20	< LOD	86	< LOD	76				
4/9/2012 15:52	40	30	6424	174		1	3	8			151	49	< LOD	42	< LOD	34	196	71	< LOD	796	201	28	< LOD	375	< LOD	59	6690	456	< LOD	150	< LOD	79	< LOD	460			738	397			81	47	< LOD	41	< LOD	21	< LOD	93	< LOD	82				
4/9/2012 15:52	41	30	6424	174		1	3	8			187	55	< LOD	47	< LOD	39	174	80	< LOD	952	232	31	< LOD	423	< LOD	68	6926	504	< LOD	175	< LOD	90	< LOD	536			< LOD	672			< LOD	74	< LOD	49	< LOD	21	< LOD	104	< LOD	91				
4/9/2012 15:58	42	30	6424	174		3	1	30			462	68	< LOD	60	< LOD	37	498	90	< LOD	909	323	35	< LOD	435	< LOD	66	6254	475	< LOD	175	< LOD	89	< LOD	488			< LOD	622			96	50	< LOD	49	< LOD	24	< LOD	103	< LOD	87				
4/9/2012 15:59	43	30	6424	174		3	1	30			273	58	< LOD	50	< LOD	38	256	81	< LOD	914	247	32	< LOD	417	< LOD	63	6419	483	< LOD	174	< LOD	88	< LOD	508			< LOD	651			< LOD	73	< LOD	45	< LOD	22	< LOD	102	< LOD	88				
4/9/2012 16:00	44	30	6424	174		3	1	30			185	46	< LOD	39	< LOD	33	186	65	990	514	205	26	< LOD	331	< LOD	56	4027	362	< LOD	139	< LOD	74	< LOD	401			< LOD	511			< LOD	61	< LOD	39	< LOD	18	< LOD	84	73	48				
4/9/2012 16:03	45	30	6424	174		3	1	30			724	79	< LOD	69	< LOD	37	562	91	< LOD	884	252	32	< LOD	402	< LOD	65	5638	463	< LOD	170	< LOD	87	< LOD	484			< LOD	628			< LOD	73	< LOD	47	< LOD	24	< LOD	99	< LOD	87				
4/9/2012 16:04	46	30	6424	174		3	1	2			395	63	< LOD	54	< LOD	37	401	83	< LOD	850	259	31	< LOD	406	< LOD	65	6275	464	< LOD	166	< LOD	86	< LOD	487			630	417			< LOD	69	< LOD	49	< LOD	24	< LOD	97	< LOD	83				
4/9/2012 16:05	47	30	6424	174		3	1	2			290	63	< LOD	56	< LOD	41	253	87	< LOD	994	325	37	< LOD	455	< LOD	72	7530	540	< LOD	186	< LOD	97	< LOD	575			< LOD	706			< LOD	78	< LOD	52	< LOD	26	< LOD	109	< LOD	94				
4/9/2012 16:06	48	30	6424	174		3	1	2			195	50	< LOD	45	< LOD	36	399	79	908	566	284	32	< LOD	361	< LOD	58	5558	429	< LOD	154	< LOD	80	< LOD	456			< LOD	586			< LOD	68	< LOD	43	< LOD	21	< LOD	90	< LOD	80				
4/9/2012 16:07	49	30	6424	174		3	1	4			268	61	< LOD	54	< LOD	40	258	85	< LOD	972	299	35	< LOD	418	< LOD	65	7262	519	< LOD	183	< LOD	94	< LOD	543			< LOD	688			< LOD	77	< LOD	51	< LOD	26	< LOD	109	< LOD	92				
4/9/2012 16:08	50	30	6424	174		3	1	4			226	52	< LOD	44	< LOD	33	147	68	< LOD	777	181	27	< LOD	360	< LOD	56	4968	412	< LOD	150	< LOD	78	< LOD	442			< LOD	564			< LOD	68	< LOD	41	< LOD	21	< LOD	87	< LOD	79				
4/9/2012 16:09	51	30	6424	174		3	1	4			213	55	< LOD	49	< LOD	37	191	78	1057	626	309	34	< LOD	398	< LOD	68	6227	475	< LOD	171	< LOD	88	< LOD	492			< LOD	637			< LOD	72	< LOD	48	< LOD	22	< LOD	103	< LOD	87				
4/9/2012 17:03	53	30	6424	103		1	4	0			1175	132	< LOD	114	< LOD	60	578	150	1861	1092	629	64	< LOD	739	< LOD	110	20962	1058	< LOD	319	< LOD	154	< LOD	980			< LOD	1152			< LOD	114	< LOD	81	< LOD	35	< LOD	174	184	102				
4/9/2012 17:05	54	30	6424	103		1	4	0			1028	124	< LOD	112	< LOD	59	861	156	< LOD	1541	584	61	< LOD	729	< LOD	110	19398	1007	< LOD	308	< LOD	148	< LOD	941			< LOD	1068			< LOD	107	< LOD	81	< LOD	38	< LOD	170	166	95				
4/9/2012 17:06	55	30	6424	103		1	4	0			1081	124	< LOD	109	< LOD	58	685	146	< LOD	1526	644	63	< LOD	706	< LOD	112	22017	1041	< LOD	295	< LOD	145	< LOD	929			1784	761			< LOD	106	< LOD	81	< LOD	35	< LOD	165	158	97				
4/9/2012 17:07	56	30	6424	103		1	4	2			780	91	< LOD	80	< LOD	43	382	100	1597	738	281	38	< LOD	483	< LOD	78	10287	640	< LOD	210	< LOD	102	< LOD	641			999	523			119	59	< LOD	58	< LOD	27	< LOD	119	152	71				
4/9/2012 17:08	57	30	6424	103		1	4	2			761	92	< LOD	81	< LOD	45	497	107	1453	758	352	42	< LOD	513	< LOD	77	12051	688	< LOD	216	< LOD	107	< LOD	658			< LOD	788			< LOD	89	< LOD	59	< LOD	27	< LOD	119	< LOD	110				
4/9/2012 17:09	58	30	6424	103		1	4	2			847	98	< LOD	88	< LOD	49	462	112	< LOD	1161	403	45	< LOD	536	< LOD	86	14592	765	< LOD	235	< LOD	116	< LOD	717			< LOD	853			< LOD	89	< LOD	67	< LOD	29	< LOD	132	< LOD	115				
4/9/2012 17:10	59	30	6424	103		1	4	4			503	84	< LOD	75	< LOD	47	213	102	1517	819	368	44	< LOD	549	< LOD	89	13887	757	< LOD	228	< LOD	115	< LOD	724			< LOD	852			< LOD	90	< LOD	67	< LOD	29	< LOD	132	< LOD	115				
4/9/2012 17:11	60	30	6424	103		1	4	4			647	91	< LOD	81	< LOD	45	296	104	1325	790	312	41	< LOD	511	< LOD	78	12025	719	< LOD	225	< LOD	110	< LOD	681			1146	572			< LOD	92	< LOD	60	< LOD	30	< LOD	124	127	77				
4/9/2012 17:12	61	30	6424	103		1	4	4			611	87	< LOD	78	< LOD	47	281	101	1509	792	333	41	< LOD	525	< LOD	84	13105	721	< LOD	220	< LOD	112	< LOD	692			912	560			< LOD	87	< LOD	60	< LOD	29	< LOD	123	146	74				
4/9/2012 17:14	62	30	6424	103		1	4	4			701	88	< LOD	80	< LOD	42	443	103	< LOD	1088	318	39	< LOD	493	< LOD	82	9315	620	< LOD	211	< LOD	105	< LOD	621			< LOD	777			< LOD	87	< LOD	57	< LOD	29	< LOD	116	118	71				
4/9/2012 17:15	63	30	6424	103		1	4	4			415	76	< LOD	68	< LOD	45	195	98	< LOD	1146	490	48	< LOD	531	< LOD	81	12403	703	< LOD	220	< LOD	112	< LOD	699			< LOD	811			< LOD	87	< LOD	61	< LOD	27	< LOD	129	< LOD	108				
4/9/2012 17:16	64	30	6424	103		1	4	6			631	82	< LOD	72	< LOD	40	329	96	1406	721	340	39	< LOD	495	< LOD	76	11026	634	< LOD	212	< LOD	104	< LOD	617			< LOD	749			< LOD	78	< LOD	56	< LOD	26	< LOD	114	< LOD	101				
4/9/2012 17:17	65	30	6424	103		1	4	6			310	75	< LOD	65	< LOD	44	173	102	< LOD	1193	388	45	< LOD	544	< LOD	84	12861	746	< LOD	234	< LOD	114	< LOD	697			1136	589			< LOD	92	< LOD	62	< LOD	29	< LOD	135	< LOD	115				
4/9/2012 17:18	66	30	6424	103		1	4	6			774	96	< LOD	87	< LOD	44	557	115	1413	797	322	42	< LOD	531	< LOD	83	13656	750	< LOD	237	< LOD	114	< LOD	717			1270	581			95	62	< LOD	58	< LOD	31	< LOD	126	< LOD	116				
4/9/2012 17:19	67	30	6424	103		1	4	6			665	85	< LOD	76	< LOD	43	346	97	< LOD	1057	307	38	< LOD	470	< LOD	84	11107	642	< LOD	202	< LOD	100	< LOD	609			< LOD	740			< LOD	84	< LOD	55	< LOD	27	< LOD	116	< LOD	104				
4/9/2012 17:20	68	30	6424	103		1	4	8			432	72	< LOD	64	< LOD	44	259	91	1485	706	289	37	< LOD	466	< LOD	77	8700	582	< LOD	198	< LOD	99	< LOD	596			< LOD	720			< LOD	82	< LOD	52	< LOD	23	< LOD	110	< LOD	101				
4/9/2012 17:22	69	30	6424	103		1	4	8			518	79	< LOD	70	< LOD	43	233	94	1126	732	360	41	< LOD	507	< LOD	70	11593	664	< LOD	209	< LOD	105	< LOD	642			1015	530			< LOD	85	< LOD	60	< LOD	28	< LOD	120	115	70				
4/9/2012 17:23	70	30	6424	103		1	4	8			428	73	< LOD	64	< LOD	39	171	89	1619	730	319	38	< LOD	467	< LOD	75	10030	617	< LOD	202	< LOD	102	< LOD	605			892	512			< LOD	84	< LOD	53	< LOD	27	< LOD	115	< LOD	102				
4/9/2012 19:14	71	30	6424	103		1	4	8			< LOD	91	< LOD	56	67	37	< LOD	181	< LOD	1325	255	39	1154	451	< LOD	92	10441	717	2116	230	< LOD	129	< LOD	746			< LOD	934			99	63	< LOD	74	< LOD	31	< LOD	150	< LOD	122				
4/9/2012 19:16	72	30	6424	103		1	4	8			4458	218	644	139	< LOD	57	5708	272	< LOD	1511	557	58	< LOD	715	213	92	25778	1089	2626	270	< LOD	145	< LOD	982			8330	971			108	71	< LOD	84	< LOD	44	< LOD	161	283	95				
4/9/2012 19:17	73	30	6424	103		1	4	8			273	64	< LOD	56	< LOD	42	740	109	< LOD	989	40	20	< LOD	480	< LOD	72	2699	437	246	142	< LOD	100	< LOD	523			< LOD	722			< LOD	79	< LOD	57	< LOD	25	< LOD	119	298	71				
4/9/2012 19:18	74	30	6424	103		1	4	8			848	95	108	59	< LOD	47	233	102	< LOD	1154	514	49	< LOD	557	< LOD	87	16076	773	< LOD	230	< LOD	114	< LOD	726			900	572			145	60	< LOD	65	< LOD	29	< LOD	133	255	76				
4/9/2012 19:19	75	30	6424	103		1	4	8			355	79	< LOD	68	< LOD	51	180	108	< LOD	1217	226	37	< LOD	620	< LOD	89	32092	1088	< LOD	244	< LOD	125	< LOD	924			1920	660			< LOD	95	< LOD	68	< LOD	32	< LOD	145	< LOD	120				
4/9/2012 19:21	76	30	6424	103		1	4	8			< LOD	68	< LOD	39	< LOD	39	< LOD	109	< LOD	945	< LOD	18	< LOD	444	< LOD	69	< LOD	488	< LOD	184	< LOD	97	< LOD	447			< LOD	644			< LOD	73	< LOD	51	< LOD	23	< LOD	113	< LOD	92				
4/10/2012 9:13	87	30	6424	110		1	3	0			632	117	< LOD	104	< LOD	65	904	178	< LOD	1783	441	59	< LOD	844	< LOD	133	17864	1086	< LOD	358	< LOD	174	< LOD	1033			< LOD	1295			< LOD	124	< LOD	94	< LOD	42	< LOD	199	273	112				
4/10/2012 9:14	88	30	6424	110		1	3	0			909	107	< LOD	93	< LOD	48	816	133	< LOD	1242	605	57	< LOD	588	< LOD	99	10982	731	< LOD	260	< LOD	124	< LOD	734			< LOD	860			141	67	< LOD	69	< LOD	33	< LOD	142	189	85				
4/10/2012 9:15	89	30	6424	110		1	3	0			937	120	< LOD	111	< LOD	58	1134	166	< LOD	1532	686	66	< LOD	714	< LOD	111	25561	1124	< LOD	311	< LOD	150	< LOD	996			< LOD	1108			< LOD	108	< LOD	80	< LOD	36	< LOD	166	226	98				
4/10/2012 9:16	90	30	6424	110		1	3	0			1037	124	< LOD	111	< LOD	60	1381	173	< LOD	1521	723	67	< LOD	711	< LOD	118	20671	1029	< LOD	312	< LOD	151	996	654			< LOD	1067			< LOD	110	< LOD	82	< LOD	35	< LOD	168	298	100				
4/10/2012 9:18	92	30	6424	110		1	3	2			824	95	< LOD	85	< LOD	45	879	122	< LOD	1091	986	66	< LOD	522	< LOD	89	13671	722	< LOD	224	< LOD	110	< LOD	679			< LOD	799			117	60	< LOD	59	< LOD	30	< LOD	122	340	77				
4/10/2012 9:19	94	21.08	6424	110		1	3	2			983	122	< LOD	108	< LOD	47	1205	155	< LOD	1235	250	44	< LOD	582	< LOD	95	15197	892	< LOD	257	< LOD	119	< LOD	772			< LOD	877			135	74	< LOD	68	< LOD	33	< LOD	137	244	91				
4/10/2012 9:24	96	30	6424	110		1	3	2			758	120	< LOD	111	< LOD	60	1030	174	< LOD	1652	994	82	< LOD	788	< LOD	132	21269	1112	< LOD	333	< LOD	163	< LOD	1057			1490	820			< LOD	118	< LOD	89	< LOD	40	< LOD	185	403	114				
4/10/2012 9:25	97	30	6424	110		1	3	2			984	110	< LOD	99	< LOD	50	1283	146	< LOD	1220	796	64	< LOD	586	< LOD	100	17477	862	< LOD	244	< LOD	120	< LOD	773			1145	611			< LOD	98	< LOD	68	< LOD	31	< LOD	141	238	85				
4/10/2012 9:28	98	30	6424	110		1	3	2			913	101	< LOD	93	< LOD	45	1293	137	< LOD	1097	425	46	< LOD	533	< LOD	87	16600	796	< LOD	228	< LOD	109	< LOD	722			1010	551			< LOD	92	< LOD	62	< LOD	31	< LOD	125	227	77				
4/10/2012 9:30	99	30	6424	110		1	3	4			561	84	< LOD	76	< LOD	46	618	114	< LOD	1141	402	45	< LOD	512	< LOD	82	12209	704	< LOD	219	< LOD	111	< LOD	677			< LOD	816			< LOD	89	< LOD	64	< LOD	28	< LOD	125	171	74				
4/10/2012 9:31	100	30	6424	110		1	3	4			522	82	< LOD	71	< LOD	44	421	107	< LOD	1096	424	45	< LOD	516	< LOD	80	10671	667	< LOD	225	< LOD	109	< LOD	656			< LOD	799			105	60	< LOD	59	< LOD	29	< LOD	124	158	72				
4/10/2012 9:32	101	30	6424	110		1	3	4			491	85	< LOD	75	< LOD	48	469	114	< LOD	1171	372	45	< LOD	554	< LOD	90	11062	711	< LOD	235	< LOD	115	< LOD	703			< LOD	835			< LOD	95	< LOD	61	< LOD	32	< LOD	133	123	77				
4/10/2012 9:33	102	30	6424	110		1	3	4			805	96	< LOD	88	< LOD	46	971	127	< LOD	1114	319	41	< LOD	501	< LOD	94	13720	743	< LOD	229	< LOD	109	< LOD	711			829	546			< LOD	91	< LOD	63	< LOD	29	< LOD	124	221	76				
4/10/2012 9:34	103	30	6424	110		1	3	4			696	89	< LOD	79	< LOD	41	859	119	< LOD	1062	301	39	< LOD	490	< LOD	83	12541	694	< LOD	216	< LOD	102	< LOD	623			< LOD	754			96	60	< LOD	57	< LOD	26	< LOD	117	135	70				
4/10/2012 9:35	104	30	6424	110		1	3	4			519	80	< LOD	72	< LOD	43	560	106	< LOD	1065	342	41	< LOD	471	< LOD	78	10211	634	< LOD	207	< LOD	101	< LOD	598			< LOD	720			< LOD	87	< LOD	56	< LOD	29	< LOD	116	< LOD	104				
4/10/2012 10:06	105	30	6424	115		1	2	0			607	101	< LOD	89	< LOD	53	825	148	< LOD	1480	587	60	< LOD	678	< LOD	113	16990	926	< LOD	289	< LOD	144	< LOD	868			< LOD	1033			< LOD	105	< LOD	78	< LOD	36	< LOD	167	295	93				
4/10/2012 10:07	106	30	6424	115		1	2	0			561	96	< LOD	85	< LOD	52	937	147	1497	974	540	56	< LOD	655	< LOD	101	15666	883	< LOD	272	< LOD	138	< LOD	822			< LOD	1023			< LOD	102	< LOD	76	< LOD	33	< LOD	159	303	91				
4/10/2012 10:08	108	30	6424	115		1	2	0			604	92	< LOD	82	< LOD	47	760	128	< LOD	1240	315	43	< LOD	561	< LOD	84	11982	745	< LOD	245	< LOD	118	< LOD	734			< LOD	863			< LOD	96	< LOD	67	< LOD	32	< LOD	133	138	83				
4/10/2012 10:09	109	30	6424	115		1	2	0			745	84	< LOD	75	< LOD	39	905	108	< LOD	937	277	35	< LOD	421	< LOD	74	10757	602	< LOD	183	< LOD	89	< LOD	575			< LOD	667			115	55	< LOD	50	< LOD	24	< LOD	104	99	65				
4/10/2012 10:11	110	30	6424	115		1	2	2			473	66	< LOD	60	< LOD	34	629	90	< LOD	812	236	30	< LOD	368	< LOD	62	9067	516	< LOD	166	< LOD	79	< LOD	483			< LOD	567			82	49	< LOD	45	< LOD	21	< LOD	91	107	57				
4/10/2012 10:11	111	30	6424	115		1	2	2			750	94	< LOD	83	< LOD	46	892	124	< LOD	1126	391	44	< LOD	520	< LOD	91	13752	740	< LOD	226	< LOD	113	< LOD	675			1093	562			142	62	< LOD	61	< LOD	30	< LOD	129	275	77				
4/10/2012 10:12	112	30	6424	115		1	2	2			466	66	< LOD	59	< LOD	34	585	88	< LOD	806	163	27	< LOD	368	< LOD	68	8858	515	< LOD	162	< LOD	79	< LOD	476			720	396			84	49	< LOD	46	< LOD	21	< LOD	89	94	56				
4/10/2012 10:14	113	30	6424	115		1	2	2			573	70	< LOD	60	< LOD	34	576	86	1269	559	196	28	< LOD	383	< LOD	66	7712	479	< LOD	160	< LOD	78	< LOD	457			< LOD	553			120	49	< LOD	40	< LOD	23	< LOD	91	89	56				
4/10/2012 10:15	115	30	6424	115		1	2	4			1083	102	< LOD	93	< LOD	42	1261	129	< LOD	1036	339	40	< LOD	494	< LOD	83	16084	746	< LOD	216	< LOD	100	< LOD	667			< LOD	733			101	58	< LOD	56	< LOD	26	< LOD	117	134	71				
4/10/2012 10:16	116	30	6424	115		1	2	4			841	91	< LOD	80	< LOD	41	1061	117	< LOD	937	206	32	< LOD	442	< LOD	80	12938	662	< LOD	196	< LOD	93	< LOD	601			1024	471			< LOD	82	< LOD	48	< LOD	26	< LOD	105	151	68				
4/10/2012 10:17	117	30	6424	115		1	2	4			693	89	< LOD	79	< LOD	42	589	112	< LOD	1110	346	42	< LOD	539	< LOD	87	12973	713	< LOD	221	< LOD	108	< LOD	687			< LOD	782			< LOD	87	< LOD	61	< LOD	26	< LOD	120	< LOD	106				
4/10/2012 10:18	118	30	6424	115		1	2	4			730	86	< LOD	77	< LOD	41	966	115	1170	688	231	34	< LOD	454	< LOD	75	11801	644	< LOD	197	< LOD	100	< LOD	604			< LOD	702			97	56	< LOD	52	< LOD	25	< LOD	110	151	69				
4/10/2012 10:19	119	30	6424	115		1	2	4			639	95	< LOD	85	< LOD	49	720	131	1547	900	484	52	< LOD	613	< LOD	88	17138	862	< LOD	260	< LOD	128	< LOD	789			< LOD	916			< LOD	95	< LOD	69	< LOD	32	< LOD	141	< LOD	121				
4/10/2012 10:22	120	30	6424	115		1	2	6			514	64	< LOD	57	< LOD	31	2594	132	786	514	164	25	< LOD	346	< LOD	63	9770	497	< LOD	157	< LOD	72	< LOD	468			< LOD	538			< LOD	65	< LOD	41	< LOD	20	< LOD	81	< LOD	76				
4/10/2012 10:22	121	30	6424	115		1	2	6			1314	117	< LOD	104	< LOD	44	4069	205	< LOD	1067	237	37	< LOD	518	< LOD	97	19955	857	< LOD	233	< LOD	105	< LOD	740			1149	545			< LOD	93	< LOD	59	< LOD	30	< LOD	118	121	76				
4/10/2012 10:24	122	30	6424	115		1	2	6			983	102	< LOD	91	< LOD	44	2429	163	< LOD	968	197	34	< LOD	479	< LOD	82	15410	753	< LOD	215	< LOD	97	< LOD	666			842	489			102	61	< LOD	56	< LOD	26	< LOD	108	212	76				
4/10/2012 10:25	123	30	6424	115		1	2	6			557	87	< LOD	78	< LOD	49	1246	139	< LOD	1193	474	49	< LOD	564	99	66	13644	755	< LOD	233	< LOD	118	< LOD	725			872	580			< LOD	92	< LOD	62	< LOD	31	< LOD	130	< LOD	115				
4/10/2012 10:26	124	30	6424	115		1	2	6			1301	127	< LOD	117	< LOD	52	11152	347	2305	944	371	48	< LOD	610	161	83	26481	1059	593	206	< LOD	124	< LOD	918			1110	660			< LOD	102	< LOD	72	< LOD	34	< LOD	144	162	88				
4/10/2012 10:31	125	30	6424	115		1	2	10			661	79	< LOD	69	< LOD	37	752	100	< LOD	896	202	30	< LOD	423	< LOD	61	13272	633	< LOD	179	< LOD	84	< LOD	560			< LOD	633			96	53	< LOD	47	< LOD	25	< LOD	98	< LOD	93				
4/10/2012 10:33	126	30	6424	115		1	2	10			624	78	< LOD	69	< LOD	37	667	99	< LOD	915	216	32	< LOD	418	< LOD	67	11216	603	< LOD	182	< LOD	87	< LOD	567			669	438			< LOD	80	< LOD	48	< LOD	25	< LOD	100	< LOD	94				
4/10/2012 10:34	127	30	6424	115		1	2	10			572	81	< LOD	74	< LOD	42	628	108	1218	719	304	38	< LOD	495	< LOD	81	14296	713	< LOD	203	< LOD	100	< LOD	660			801	512			< LOD	86	< LOD	56	< LOD	27	< LOD	116	< LOD	104				
4/10/2012 11:35	128	30	6424	115		1	2	10			193	64	< LOD	49	< LOD	38	< LOD	106	885	559	< LOD	14	< LOD	386	< LOD	63	2749	423	< LOD	177	< LOD	79	< LOD	416			< LOD	565			136	63	76	35	< LOD	28	< LOD	87	121	63				
4/10/2012 11:49	130	30	6424	105		3	4	30			619	94	< LOD	83	< LOD	52	907	135	1627	866	387	47	< LOD	578	< LOD	83	9797	705	< LOD	251	< LOD	120	< LOD	708			< LOD	870			< LOD	97	< LOD	65	< LOD	33	< LOD	137	< LOD	118				
4/10/2012 11:52	132	30	6424	105		3	4	30			648	84	< LOD	72	< LOD	43	652	107	< LOD	1015	278	37	< LOD	468	< LOD	73	7720	568	< LOD	200	< LOD	97	< LOD	570			< LOD	701			< LOD	84	< LOD	54	< LOD	27	< LOD	112	114	67				
4/10/2012 11:55	134	30	6424	105		3	4	30			653	82	< LOD	72	< LOD	40	736	104	1318	653	184	30	< LOD	435	< LOD	75	11013	613	< LOD	188	< LOD	91	< LOD	576			< LOD	671			< LOD	81	< LOD	48	< LOD	27	< LOD	100	< LOD	97				
4/10/2012 11:57	135	30	6424	105		3	4	2			380	106	< LOD	95	< LOD	66	694	160	< LOD	1502	210	45	< LOD	705	572	122	7069	796	< LOD	327	< LOD	142	< LOD	845			< LOD	1019			< LOD	129	< LOD	76	< LOD	46	< LOD	161	< LOD	150				
4/10/2012 11:58	136	30	6424	105		3	4	2			381	59	< LOD	51	< LOD	31	335	75	< LOD	788	169	26	< LOD	368	< LOD	58	7006	455	< LOD	153	< LOD	76	< LOD	461			< LOD	554			< LOD	69	< LOD	41	< LOD	18	< LOD	87	< LOD	77				
4/10/2012 11:58	137	27.09	6424	105		3	4	2			503	86	< LOD	73	< LOD	51	355	108	1669	812	264	40	< LOD	534	< LOD	90	8916	669	< LOD	223	< LOD	113	< LOD	682			950	571			< LOD	95	< LOD	65	< LOD	28	< LOD	127	< LOD	113				
4/10/2012 12:01	139	30	6424	105		3	4	2			375	74	< LOD	64	< LOD	42	326	100	1503	754	230	35	< LOD	513	< LOD	78	8777	619	< LOD	211	< LOD	105	< LOD	641			< LOD	756			< LOD	85	< LOD	58	< LOD	28	< LOD	119	103	68				
4/10/2012 13:03	140	30	6424	106		1	2	0			532	87	< LOD	78	< LOD	46	589	119	1488	826	375	45	< LOD	553	< LOD	92	12065	731	< LOD	234	< LOD	116	< LOD	698			< LOD	860			123	64	< LOD	67	< LOD	30	< LOD	131	202	79				
4/10/2012 13:04	141	30	6424	106		1	2	0			759	97	< LOD	86	< LOD	47	888	129	1565	813	408	47	< LOD	556	< LOD	90	13197	753	< LOD	239	< LOD	112	< LOD	705			1245	587			< LOD	93	< LOD	67	< LOD	31	< LOD	131	252	81				
4/10/2012 13:04	142	30	6424	106		1	2	0			594	97	< LOD	83	< LOD	54	411	120	< LOD	1212	324	46	< LOD	576	< LOD	90	8345	700	< LOD	244	< LOD	120	< LOD	717			< LOD	872			< LOD	103	< LOD	66	< LOD	31	< LOD	141	271	86				
4/10/2012 13:07	143	30	6424	106		1	2	2			318	67	< LOD	60	< LOD	41	256	90	< LOD	1017	246	34	< LOD	469	< LOD	73	9559	600	< LOD	193	< LOD	99	< LOD	593			783	487			< LOD	83	< LOD	54	< LOD	27	< LOD	111	< LOD	99				
4/10/2012 13:08	144	30	6424	106		1	2	2			288	69	< LOD	62	< LOD	43	260	98	< LOD	1105	315	40	< LOD	510	< LOD	75	8956	628	< LOD	214	< LOD	111	< LOD	641			< LOD	795			< LOD	87	< LOD	56	< LOD	27	< LOD	120	< LOD	108				
4/10/2012 13:09	145	30	6424	106		1	2	2			210	49	< LOD	42	< LOD	32	172	64	< LOD	707	162	25	< LOD	334	< LOD	51	5795	407	< LOD	141	< LOD	69	< LOD	421			< LOD	511			< LOD	66	< LOD	38	< LOD	20	< LOD	80	< LOD	76				
4/10/2012 13:11	147	30	6424	106		1	4	0			274	70	< LOD	61	< LOD	47	230	100	< LOD	1176	366	43	< LOD	538	< LOD	82	8657	634	< LOD	218	< LOD	114	< LOD	652			< LOD	802			< LOD	88	< LOD	61	< LOD	30	< LOD	129	127	73				
4/10/2012 13:12	148	30	6424	106		1	4	0			300	67	< LOD	59	< LOD	44	204	92	< LOD	1063	306	38	< LOD	493	< LOD	79	8353	588	< LOD	206	< LOD	103	< LOD	596			< LOD	722			< LOD	83	< LOD	59	< LOD	26	< LOD	120	< LOD	106				
4/10/2012 13:13	149	30	6424	106		1	4	0			299	65	< LOD	57	< LOD	41	183	87	< LOD	1008	325	38	< LOD	467	< LOD	79	7663	554	< LOD	193	< LOD	99	< LOD	573			< LOD	725			< LOD	81	< LOD	53	< LOD	23	< LOD	115	125	68				
4/10/2012 13:14	150	30	6424	106		1	4	2			256	56	< LOD	47	< LOD	33	200	73	< LOD	809	197	28	< LOD	368	< LOD	64	5501	435	< LOD	163	< LOD	80	< LOD	458			< LOD	563			92	49	< LOD	45	< LOD	22	< LOD	91	< LOD	85				
4/10/2012 13:15	151	30	6424	106		1	4	2			206	64	< LOD	56	< LOD	47	< LOD	139	< LOD	1125	411	44	< LOD	497	< LOD	85	8864	627	< LOD	211	< LOD	112	< LOD	630			1181	559			< LOD	85	< LOD	59	< LOD	26	< LOD	126	109	72				
4/10/2012 13:17	153	30	6424	106		1	4	2			252	69	< LOD	59	< LOD	47	215	98	< LOD	1115	338	42	< LOD	512	< LOD	81	7443	607	< LOD	214	< LOD	111	< LOD	624			< LOD	811			< LOD	91	< LOD	61	< LOD	26	< LOD	129	115	73				
4/10/2012 14:45	154	30	6424	127		1	2	0			461	87	< LOD	78	< LOD	51	649	125	< LOD	1257	477	52	< LOD	588	< LOD	103	10711	730	< LOD	240	< LOD	122	< LOD	713			< LOD	877			< LOD	99	< LOD	69	< LOD	33	< LOD	138	155	82				
4/10/2012 14:46	155	30	6424	127		1	2	0			546	88	< LOD	78	< LOD	47	650	124	< LOD	1213	467	50	< LOD	596	< LOD	88	11954	741	< LOD	247	< LOD	119	< LOD	729			1030	600			< LOD	94	< LOD	65	< LOD	30	< LOD	139	132	81				
4/10/2012 14:47	156	30	6424	127		1	2	0			659	107	< LOD	93	66	43	762	148	< LOD	1443	571	61	< LOD	659	< LOD	103	14172	899	< LOD	287	< LOD	144	< LOD	861			< LOD	1044			< LOD	111	< LOD	82	< LOD	36	< LOD	159	< LOD	142				
4/10/2012 14:48	157	30	6424	127		1	2	0			219	61	< LOD	53	< LOD	39	199	88	< LOD	986	249	34	< LOD	448	< LOD	72	5789	513	< LOD	196	< LOD	98	< LOD	568			< LOD	689			< LOD	81	< LOD	55	< LOD	25	< LOD	112	150	67				
4/10/2012 14:49	158	30	6424	127		1	2	2			126	60	< LOD	53	< LOD	46	163	98	< LOD	1140	335	41	< LOD	531	< LOD	81	8986	636	< LOD	223	< LOD	115	< LOD	628			< LOD	809			< LOD	86	< LOD	60	< LOD	27	< LOD	127	154	74				
4/10/2012 14:50	159	30	6424	127		1	2	2			228	66	< LOD	57	< LOD	45	146	96	< LOD	1113	342	41	< LOD	543	< LOD	78	8327	618	< LOD	221	< LOD	115	< LOD	638			< LOD	801			< LOD	87	< LOD	59	< LOD	28	< LOD	128	< LOD	108				
4/10/2012 14:52	160	30	6424	127		1	4	0			352	69	< LOD	62	< LOD	41	466	100	< LOD	1003	435	44	< LOD	462	< LOD	80	8846	590	< LOD	201	< LOD	100	< LOD	598			< LOD	718			95	56	< LOD	56	< LOD	26	< LOD	117	182	68				
4/10/2012 14:54	161	30	6424	127		1	4	0			541	87	< LOD	74	< LOD	49	594	120	< LOD	1210	471	50	< LOD	554	< LOD	92	11295	721	< LOD	234	< LOD	117	753	490			< LOD	872			< LOD	92	< LOD	66	< LOD	29	< LOD	133	230	80				
4/10/2012 14:54	162	30	6424	127		1	4	0			439	83	< LOD	74	< LOD	47	433	115	< LOD	1193	509	51	< LOD	549	< LOD	88	11981	735	< LOD	242	< LOD	118	< LOD	716			< LOD	868			< LOD	95	< LOD	65	< LOD	31	< LOD	134	230	81				
4/10/2012 14:55	163	30	6424	127		1	4	0			427	82	< LOD	75	< LOD	45	552	118	< LOD	1235	494	51	< LOD	569	< LOD	88	11247	717	< LOD	237	< LOD	117	< LOD	730			< LOD	872			< LOD	93	< LOD	65	< LOD	31	< LOD	133	197	80				
4/10/2012 14:55	164	30	6424	127		1	4	0			385	81	< LOD	72	< LOD	45	599	122	< LOD	1249	525	53	< LOD	565	< LOD	92	12002	747	< LOD	241	< LOD	122	< LOD	741			1173	613			< LOD	96	< LOD	67	< LOD	33	< LOD	142	130	81				
4/10/2012 14:58	165	30	6424	127		1	4	0			522	87	< LOD	76	< LOD	49	500	118	1923	867	519	52	< LOD	583	< LOD	92	12006	741	< LOD	239	< LOD	122	< LOD	719			< LOD	884			< LOD	93	< LOD	66	< LOD	30	< LOD	137	162	82				
4/10/2012 14:59	166	30	6424	127		1	4	0			478	83	< LOD	72	< LOD	48	562	117	1258	812	504	51	< LOD	539	< LOD	88	11588	715	< LOD	232	< LOD	116	< LOD	702			< LOD	813			< LOD	92	< LOD	62	< LOD	29	< LOD	134	121	79				
4/10/2012 14:59	167	30	6424	127		1	4	0			447	76	< LOD	66	< LOD	43	434	102	< LOD	1066	430	44	< LOD	495	< LOD	84	9424	619	< LOD	213	< LOD	103	< LOD	618			< LOD	759			120	59	< LOD	57	< LOD	27	< LOD	117	< LOD	108				
4/10/2012 15:01	168	30	6424	127		1	4	0			497	88	< LOD	78	< LOD	47	677	127	< LOD	1277	723	61	< LOD	566	< LOD	98	13020	776	< LOD	247	< LOD	123	< LOD	745			1081	617			< LOD	98	< LOD	69	< LOD	32	< LOD	136	183	84				
4/10/2012 15:02	169	30	6424	127		1	4	0			734	103	< LOD	89	< LOD	54	1006	145	< LOD	1363	824	67	< LOD	629	< LOD	87	16189	871	< LOD	268	< LOD	133	< LOD	821			< LOD	978			154	70	< LOD	74	< LOD	34	< LOD	151	333	92				
4/10/2012 15:03	170	27.83	6424	127		1	4	0			660	100	< LOD	88	< LOD	49	1067	148	1486	940	691	63	< LOD	613	< LOD	97	16541	888	< LOD	263	< LOD	134	< LOD	809			< LOD	974			< LOD	99	< LOD	72	< LOD	32	< LOD	150	228	88				
4/10/2012 15:04	172	30	6424	127		1	4	0			529	92	< LOD	82	< LOD	52	682	133	< LOD	1340	677	61	< LOD	627	< LOD	100	14860	839	< LOD	264	< LOD	130	< LOD	800			< LOD	916			< LOD	100	< LOD	73	< LOD	32	< LOD	143	267	89				
4/10/2012 15:06	173	30	6424	127		1	4	2			415	74	< LOD	65	< LOD	41	566	108	< LOD	1110	361	41	< LOD	492	< LOD	80	8649	608	< LOD	209	< LOD	105	< LOD	606			< LOD	784			< LOD	85	< LOD	59	< LOD	25	< LOD	120	168	73				
4/10/2012 15:08	174	30	6424	127		1	4	2			324	66	< LOD	56	< LOD	41	307	92	< LOD	976	303	37	< LOD	465	< LOD	77	7564	549	< LOD	197	< LOD	98	< LOD	562			< LOD	699			< LOD	79	< LOD	52	< LOD	24	< LOD	111	< LOD	98				

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
4/10/2012 15:09	175	30	6424	127		1	4	2			250	61	< LOD	52	< LOD	38	372	90	< LOD	920	232	33	< LOD	429	< LOD	67	7493	532	< LOD	182	< LOD	91	< LOD	516			< LOD	661			< LOD	80	< LOD	48	< LOD	25	< LOD	105	< LOD	96				
4/10/2012 15:36	176	30	6424	146		1		0			438	76	< LOD	64	< LOD	43	237	95	< LOD	1073	327	40	< LOD	514	< LOD	72	9771	630	< LOD	210	< LOD	104	< LOD	629			< LOD	764			< LOD	86	< LOD	55	< LOD	28	< LOD	121	127	70				
4/10/2012 15:37	177	30	6424	146		1		0			333	67	< LOD	57	< LOD	39	213	88	< LOD	1001	274	36	< LOD	460	< LOD	73	9737	598	< LOD	194	102	67	< LOD	583			< LOD	696			< LOD	80	< LOD	50	< LOD	25	< LOD	110	< LOD	96				
4/10/2012 15:38	178	30	6424	146		1		0			163	66	< LOD	58	< LOD	49	163	103	< LOD	1214	397	46	< LOD	552	< LOD	83	10989	708	< LOD	236	< LOD	119	752	487			< LOD	877			< LOD	91	< LOD	67	< LOD	29	< LOD	135	< LOD	117				
4/10/2012 15:39	179	30	6424	146		1		0			182	63	< LOD	57	< LOD	43	< LOD	140	< LOD	1152	363	42	< LOD	508	< LOD	86	9015	627	< LOD	221	< LOD	109	< LOD	633			< LOD	790			< LOD	84	< LOD	60	< LOD	28	< LOD	124	< LOD	107				
4/10/2012 15:40	180	30	6424	146		1		0			284	63	< LOD	55	< LOD	40	245	87	< LOD	926	308	37	< LOD	434	< LOD	74	8130	551	< LOD	186	< LOD	97	< LOD	555			< LOD	654			< LOD	78	< LOD	51	< LOD	23	< LOD	109	< LOD	95				
4/10/2012 15:45	181	30	6424	146		1		0			256	78	< LOD	64	< LOD	51	< LOD	167	< LOD	1319	456	52	< LOD	613	< LOD	103	11854	788	< LOD	258	< LOD	130	< LOD	759			< LOD	950			< LOD	101	< LOD	71	< LOD	31	< LOD	148	132	85				
4/10/2012 15:50	182	30	6424	146		3	2				234	50	< LOD	42	< LOD	30	204	65	< LOD	710	106	21	< LOD	324	< LOD	53	4617	373	< LOD	140	75	48	< LOD	394			< LOD	487			75	44	< LOD	34	< LOD	20	< LOD	78	< LOD	74				
4/10/2012 15:51	183	30	6424	146		3	2				< LOD	544	< LOD	313	< LOD	293	< LOD	961	22165	5655	< LOD	105	< LOD	3352	< LOD	600	33669	4117	< LOD	1571	< LOD	673	< LOD	4051			< LOD	5112			< LOD	596	< LOD	396	< LOD	192	< LOD	698	< LOD	703				
4/10/2012 15:52	184	30	6424	146		3	2				320	57	< LOD	48	< LOD	35	307	76	< LOD	785	228	29	< LOD	391	< LOD	62	7180	465	< LOD	157	< LOD	82	< LOD	467			< LOD	569			< LOD	69	< LOD	44	< LOD	18	< LOD	91	< LOD	82				
4/10/2012 15:53	185	30	6424	146		3	2				212	62	< LOD	53	< LOD	43	< LOD	122	< LOD	960	134	28	< LOD	429	< LOD	75	5467	502	< LOD	187	< LOD	92	< LOD	491			< LOD	668			108	58	< LOD	56	< LOD	24	< LOD	103	< LOD	99				
4/10/2012 16:53	186	30	6424	133		3	1				299	70	< LOD	60	< LOD	41	197	95	< LOD	1110	336	40	< LOD	492	< LOD	83	10195	646	< LOD	208	< LOD	106	< LOD	635			< LOD	797			< LOD	86	< LOD	56	< LOD	28	< LOD	121	< LOD	105				
4/10/2012 16:55	187	30	6424	133		3	1				230	61	< LOD	53	< LOD	39	132	85	< LOD	1004	283	35	< LOD	462	< LOD	76	7842	550	< LOD	194	< LOD	102	< LOD	561			< LOD	700			< LOD	77	< LOD	53	< LOD	26	< LOD	113	< LOD	96				
4/10/2012 16:56	188	30	6424	133		3	1				108	58	< LOD	49	< LOD	47	< LOD	135	< LOD	1107	315	39	< LOD	508	< LOD	81	8008	596	< LOD	207	< LOD	108	< LOD	610			< LOD	759			< LOD	84	< LOD	60	< LOD	27	< LOD	123	< LOD	105				
4/10/2012 16:57	189	30	6424	133		3	1				167	55	< LOD	47	< LOD	40	228	83	< LOD	921	224	32	< LOD	415	< LOD	72	5183	473	< LOD	176	< LOD	92	< LOD	486			< LOD	668			< LOD	78	< LOD	46	< LOD	22	< LOD	103	108	62				
4/10/2012 16:58	190	30	6424	133		3	2				209	65	< LOD	56	< LOD	43	334	100	1173	761	322	40	< LOD	506	< LOD	76	8303	609	< LOD	208	< LOD	110	< LOD	617			< LOD	776			< LOD	87	< LOD	60	< LOD	28	< LOD	122	< LOD	108				
4/10/2012 16:59	191	30	6424	133		3	2				592	73	< LOD	62	< LOD	39	898	101	< LOD	868	203	29	< LOD	390	< LOD	63	6969	489	< LOD	174	< LOD	86	< LOD	497			< LOD	610			< LOD	73	< LOD	46	< LOD	23	< LOD	98	118	59				
4/10/2012 17:00	192	30	6424	133		3	2				270	61	< LOD	53	< LOD	40	339	89	< LOD	911	213	31	< LOD	426	< LOD	68	7895	540	< LOD	187	< LOD	92	< LOD	530			690	452			< LOD	78	< LOD	49	< LOD	23	< LOD	104	< LOD	94				
4/10/2012 17:01	193	30	6424	133		3	2				150	58	< LOD	50	< LOD	43	216	93	< LOD	1063	384	41	< LOD	489	< LOD	79	7455	570	< LOD	205	< LOD	106	< LOD	585			< LOD	761			< LOD	81	< LOD	55	< LOD	26	< LOD	119	110	67				
4/10/2012 17:03	194	30	6424	133		3	3				179	57	< LOD	47	< LOD	40	< LOD	124	< LOD	1044	371	39	< LOD	470	< LOD	68	6030	514	< LOD	192	< LOD	101	< LOD	555			< LOD	728			< LOD	77	< LOD	53	< LOD	23	< LOD	116	< LOD	97				
4/10/2012 17:04	195	30	6424	133		3	3				153	65	< LOD	56	< LOD	49	263	107	1314	847	506	50	< LOD	571	< LOD	87	11447	709	< LOD	236	< LOD	122	< LOD	685			989	603			< LOD	88	< LOD	66	< LOD	31	< LOD	138	< LOD	115				
4/10/2012 17:17	197	30	6424	155		3	1				167	42	< LOD	35	< LOD	28	84	54	760	444	142	22	< LOD	289	< LOD	49	3559	321	< LOD	122	< LOD	64	< LOD	348			< LOD	462			72	40	< LOD	36	< LOD	17	< LOD	75	< LOD	67				
4/10/2012 17:18	198	30	6424	155		3	1				260	65	< LOD	58	< LOD	43	< LOD	136	< LOD	1115	455	45	< LOD	525	< LOD	80	7183	573	< LOD	209	< LOD	108	< LOD	599			< LOD	809			< LOD	81	< LOD	60	< LOD	26	< LOD	128	< LOD	101				
4/10/2012 17:19	199	29.33	6424	155		3	1				< LOD	810	< LOD	472	< LOD	456	< LOD	1404	41706	8811	< LOD	135	5811	3507	< LOD	808	49272	6055	< LOD	2345	< LOD	1016	< LOD	5868			< LOD	7864			< LOD	822	< LOD	566	< LOD	253	< LOD	1072	1165	680				
4/10/2012 17:48	200	30	6424								441	90	< LOD	80	< LOD	53	313	126	< LOD	1380	266	42	< LOD	681	< LOD	110	41084	1289	< LOD	278	< LOD	141	< LOD	1079			1447	718			< LOD	103	< LOD	83	< LOD	33	< LOD	162	< LOD	138				
4/10/2012 17:50	201	30	6424								< LOD	96	74	42	< LOD	58	< LOD	199	< LOD	1437	329	44	1660	506	< LOD	102	12435	799	2848	263	< LOD	141	< LOD	815			< LOD	989			< LOD	99	< LOD	83	< LOD	33	< LOD	158	191	90				
4/10/2012 17:51	202	30	6424								1047	110	< LOD	102	65	37	320	118	< LOD	1293	744	61	< LOD	617	< LOD	105	19978	900	< LOD	259	< LOD	135	< LOD	828			< LOD	944			< LOD	93	< LOD	76	< LOD	32	< LOD	152	287	87				
4/10/2012 17:52	203	30	6424								4543	221	621	141	< LOD	54	5757	275	< LOD	1533	617	61	< LOD	698	264	96	27021	1113	2957	278	< LOD	145	< LOD	989			8492	981			< LOD	107	< LOD	81	< LOD	44	< LOD	162	347	100				
4/10/2012 17:53	204	30	6424								299	72	< LOD	65	< LOD	47	899	129	< LOD	1210	68	24	< LOD	566	< LOD	84	2322	492	< LOD	245	< LOD	123	< LOD	591			< LOD	860			< LOD	90	77	49	< LOD	30	< LOD	143	293	82				
4/10/2012 17:55	205	30	6424								117	67	< LOD	61	90	40	213	131	< LOD	1382	320	43	1361	480	< LOD	97	12093	773	2582	249	< LOD	138	< LOD	793			< LOD	1002			< LOD	93	< LOD	75	< LOD	32	< LOD	155	< LOD	129				
4/10/2012 17:56	206	30	6424								< LOD	96	65	41	< LOD	57	281	136	< LOD	1428	292	42	1381	488	< LOD	96	12236	788	2529	253	< LOD	140	< LOD	796			< LOD	975			< LOD	99	< LOD	80	< LOD	35	< LOD	155	< LOD	130				
4/11/2012 16:21	208	30	6424								374	79	< LOD	71	< LOD	46	314	117	< LOD	1272	380	45	< LOD	619	< LOD	101	39518	1180	< LOD	258	< LOD	129	< LOD	962			1921	684			< LOD	93	< LOD	68	< LOD	30	< LOD	148	129	82				
4/12/2012 8:38	210	30	6424								382	82	< LOD	74	< LOD	47	199	112	< LOD	1341	288	42	< LOD	633	< LOD	100	39722	1217	< LOD	259	< LOD	128	1366	688			1551	671			< LOD	99	< LOD	73	< LOD	30	< LOD	147	< LOD	128				
4/12/2012 8:39	211	30	6424								4036	197	565	125	< LOD	51	5245	245	< LOD	1298	566	55	< LOD	633	202	83	23625	981	2310	239	< LOD	125	< LOD	859			8063	875			< LOD	98	< LOD	72	< LOD	39	< LOD	142	382	87				
4/12/2012 8:41	212	30	6424								929	105	< LOD	97	< LOD	51	241	113	< LOD	1297	708	59	< LOD	614	< LOD	101	20000	895	< LOD	257	< LOD	130	< LOD	823			1160	645			106	63	< LOD	72	< LOD	33	< LOD	150	368	86				
4/12/2012 8:43	213	30	6424								256	67	< LOD	61	< LOD	43	893	123	< LOD	1103	71	24	< LOD	527	< LOD	87	2142	461	< LOD	232	< LOD	114	< LOD	562			934	552			< LOD	86	< LOD	64	< LOD	27	< LOD	131	261	80				
4/12/2012 8:46	214	30	6424								< LOD	96	83	41	88	40	245	132	< LOD	1370	285	41	1358	478	< LOD	97	12517	783	2628	251	< LOD	137	< LOD	797			< LOD	938			< LOD	94	< LOD	81	< LOD	33	< LOD	155	< LOD	129				
4/12/2012 8:48	215	30	6424								< LOD	68	< LOD	39	< LOD	40	< LOD	112	< LOD	874	< LOD	16	< LOD	430	< LOD	66	< LOD	495	< LOD	182	< LOD	95	< LOD	453			< LOD	630			< LOD	74	< LOD	52	< LOD	23	< LOD	108	< LOD	94				
4/12/2012 9:34	216	30	6424	222		1	1	0			< LOD	78	< LOD	44	< LOD	41	215	90	< LOD	1042	207	32	< LOD	487	< LOD	73	3949	474	< LOD	195	< LOD	104	< LOD	531			< LOD	714			< LOD	82	< LOD	57	< LOD	27	< LOD	119	< LOD	98				
4/12/2012 9:35	217	30	6424	222		1	1	0			104	52	< LOD	45	< LOD	41	< LOD	119	< LOD	1009	221	32	< LOD	451	< LOD	71	3708	450	< LOD	185	< LOD	99	< LOD	529			< LOD	710			< LOD	77	< LOD	50	< LOD	24	< LOD	113	114	64				
4/12/2012 9:36	218	30	6424	222		1	1	0			119	55	< LOD	46	< LOD	42	164	86	< LOD	1007	173	30	< LOD	466	< LOD	71	4008	470	< LOD	190	< LOD	99	< LOD	546			< LOD	702			< LOD	80	< LOD	54	< LOD	25	< LOD	112	187	66				
4/12/2012 9:55	219	30	6424	221		3	1	30			96	62	< LOD	54	< LOD	45	< LOD	152	< LOD	1262	534	52	< LOD	561	< LOD	90	12724	748	< LOD	229	< LOD	121	< LOD	729			< LOD	893			< LOD	91	< LOD	63	< LOD	30	< LOD	136	138	80				
4/12/2012 9:56	220	30	6424	221		3	1	30			144	68	< LOD	59	< LOD	53	< LOD	163	1409	883	429	49	< LOD	609	< LOD	98	13762	803	< LOD	251	< LOD	124	< LOD	750			< LOD	924			< LOD	98	< LOD	69	< LOD	30	< LOD	143	165	84				
4/12/2012 9:57	221	30	6424	221		3	1	30			99	62	< LOD	52	< LOD	47	< LOD	145	< LOD	1193	388	46	< LOD	572	< LOD	84	10938	711	< LOD	235	< LOD	116	< LOD	722			943	580			< LOD	94	< LOD	65	< LOD	28	< LOD	133	236	81				
4/12/2012 9:58	224	30	6424	221		3	1	30			89	57	< LOD	50	< LOD	42	213	91	1079	711	349	41	< LOD	487	< LOD	77	10832	649	< LOD	197	< LOD	100	< LOD	602			769	506			< LOD	86	< LOD	57	< LOD	29	< LOD	117	154	72				
4/12/2012 9:59	225	30	6424	221		3	1	30			125	79	< LOD	69	< LOD	56	196	130	< LOD	1554	481	58	< LOD	734	< LOD	108	15056	949	< LOD	290	< LOD	149	< LOD	916			< LOD	1100			< LOD	118	< LOD	83	< LOD	39	< LOD	166	< LOD	150				
4/12/2012 10:00	227	30	6424	221		3	1	2			118	63	< LOD	54	< LOD	50	172	99	< LOD	1124	294	41	< LOD	515	< LOD	83	8658	650	< LOD	222	< LOD	110	< LOD	633			< LOD	810			114	64	< LOD	63	< LOD	29	< LOD	126	121	78				
4/12/2012 10:02	228	30	6424	221		3	1	4			159	67	< LOD	57	< LOD	43	219	102	< LOD	1177	303	41	< LOD	535	< LOD	86	10620	701	< LOD	224	< LOD	112	< LOD	685			1030	574			< LOD	95	< LOD	61	< LOD	32	< LOD	132	< LOD	120				
4/12/2012 11:06	232	30	6424	221		3	1	4			171	64	< LOD	54	< LOD	44	267	100	1943	793	454	47	< LOD	536	< LOD	85	10462	668	< LOD	214	< LOD	110	< LOD	663			< LOD	813			145	62	< LOD	61	< LOD	29	< LOD	125	273	78				
4/12/2012 11:10	233	30	6424	224		3	4	30			< LOD	744	< LOD	1676	< LOD	628	< LOD	9316	< LOD	9779	2615	20	< LOD	15222	15359	5666	< LOD	8129	< LOD	10492	16972	3875	2356	921			< LOD	5326			< LOD	641	< LOD	852	< LOD	1425	12858	2959	< LOD	1123				
4/12/2012 11:11	234	30	6424	224		3	4	30			551	81	< LOD	72	< LOD	43	1135	125	1206	741	201	33	< LOD	487	< LOD	82	9388	621	< LOD	209	< LOD	107	< LOD	622			< LOD	779			< LOD	86	< LOD	55	< LOD	27	< LOD	120	121	70				
4/12/2012 11:13	236	30	6424	224		3	4	4			184	60	< LOD	50	< LOD	42	< LOD	127	< LOD	1050	246	34	< LOD	473	< LOD	75	7757	567	< LOD	193	< LOD	102	< LOD	570			1068	513			< LOD	81	< LOD	55	< LOD	25	< LOD	115	< LOD	101				
4/12/2012 11:14	237	30	6424	224		3	4	4			174	57	< LOD	47	< LOD	40	< LOD	119	< LOD	988	221	32	< LOD	443	< LOD	71	6290	513	< LOD	184	< LOD	96	< LOD	529			756	470			107	55	< LOD	48	< LOD	25	< LOD	108	< LOD	95				
4/12/2012 11:15	238	30	6424	224		3	4	4			119	42	< LOD	35	< LOD	29	87	58	< LOD	698	105	21	< LOD	312	< LOD	49	4660	369	< LOD	128	< LOD	68	< LOD	378			526	333			< LOD	62	< LOD	33	< LOD	17	< LOD	78	117	48				
4/12/2012 11:16	239	30	6424	224		3	4	30			503	86	< LOD	76	< LOD	46	928	131	< LOD	1154	173	34	< LOD	558	< LOD	90	9890	690	< LOD	236	< LOD	114	< LOD	665			< LOD	834			< LOD	95	< LOD	59	< LOD	32	< LOD	128	< LOD	116				
4/12/2012 14:43	240	30	6424	159		3	2	30			232	66	< LOD	56	< LOD	47	< LOD	144	1975	822	408	45	< LOD	522	< LOD	78	9266	642	< LOD	220	< LOD	112	< LOD	647			< LOD	805			< LOD	84	< LOD	59	< LOD	26	< LOD	129	134	71				
4/12/2012 14:45	242	30	6424	159		3	2	30			215	74	< LOD	65	< LOD	51	273	115	< LOD	1349	377	48	< LOD	614	< LOD	89	10299	745	< LOD	245	< LOD	130	< LOD	765			< LOD	944			< LOD	98	< LOD	68	< LOD	31	< LOD	141	< LOD	124				
4/12/2012 14:49	243	30	6424	159		3	2	30			269	77	< LOD	66	< LOD	52	< LOD	161	< LOD	1254	251	40	< LOD	593	< LOD	94	10594	744	< LOD	247	< LOD	128	< LOD	740			< LOD	921			< LOD	99	< LOD	67	< LOD	32	< LOD	143	222	82				
4/12/2012 15:59	246	30	6424	159		3	2	30			184	74	< LOD	56	< LOD	45	213	103	2031	771	< LOD	16	< LOD	487	< LOD	85	3762	545	< LOD	227	< LOD	102	< LOD	582			< LOD	775			182	74	< LOD	59	< LOD	33	< LOD	115	< LOD	118				
4/12/2012 16:02	248	30	6424	159		3	2	30			158	68	< LOD	55	< LOD	45	172	96	1957	726	< LOD	19	< LOD	489	< LOD	80	3686	513	< LOD	216	< LOD	98	< LOD	484			< LOD	680			170	70	< LOD	54	< LOD	31	< LOD	109	178	75				
4/12/2012 16:31	249	30	6424	159		3	2	30			948	102	115	64	< LOD	50	239	103	< LOD	1109	436	47	< LOD	547	< LOD	91	19105	845	< LOD	229	< LOD	116	< LOD	747			< LOD	829			< LOD	92	< LOD	63	< LOD	27	< LOD	130	224	82				
4/12/2012 16:32	250	30	6424								< LOD	95	81	41	69	40	< LOD	201	< LOD	1404	336	45	2004	516	< LOD	102	12440	799	2670	259	< LOD	141	< LOD	830			< LOD	1023			< LOD	98	< LOD	82	< LOD	33	< LOD	160	< LOD	131				
4/12/2012 16:33	251	30	6424								263	66	< LOD	59	< LOD	43	812	115	< LOD	1015	< LOD	25	< LOD	503	< LOD	85	2506	447	< LOD	216	< LOD	106	< LOD	528			906	512			< LOD	83	< LOD	59	< LOD	26	< LOD	124	292	78				
4/12/2012 16:34	252	30	6424								< LOD	70	< LOD	39	< LOD	40	< LOD	114	< LOD	974	< LOD	16	< LOD	448	< LOD	67	< LOD	506	< LOD	186	< LOD	98	< LOD	460			< LOD	645			< LOD	74	< LOD	54	< LOD	21	< LOD	113	< LOD	97				
4/12/2012 16:35	253	30	6424								4817	224	641	142	< LOD	57	6283	277	< LOD	1293	351	47	< LOD	643	147	84	29596	1121	2790	262	< LOD	125	< LOD	921			8363	914			< LOD	103	< LOD	76	< LOD	41	< LOD	143	285	97				
4/12/2012 16:36	254	30	6424								377	79	< LOD	69	< LOD	46	249	110	< LOD	1245	324	42	< LOD	617	< LOD	93	32779	1081	< LOD	247	< LOD	123	< LOD	927			1318	633			98	63	< LOD	68	< LOD	29	< LOD	139	< LOD	120				

Lead Paint Mode

Date	Reading	LiveTime	Analyst	Loc_ID	Comment	Pb (mg_cm2)	Pb +/-
11-Apr-12	114	26.25	Wilder_5444	216	Foundation Paint, trim, concrete paint, sills	0.22	0.03
11-Apr-12	115	24.25	Wilder_5444	216	Foundation Paint, trim, concrete paint, sills	0	0
11-Apr-12	117	24.21	Wilder_5444	216	Foundation Paint, trim, concrete paint, sills	0.17	0.02
11-Apr-12	119	23.94	Wilder_5444	216	Foundation Paint, trim, concrete paint, sills	0.37	0.03
11-Apr-12	120	26.51	Wilder_5444	216	Foundation Paint, trim, concrete paint, sills	0	0
11-Apr-12	121	25.28	Wilder_5444	216	White Trim on Porch	2.61	0.19
11-Apr-12	122	24.31	Wilder_5444	216	Foundation Paint, trim, concrete paint, sills	0.13	0.01
11-Apr-12	123	25.84	Wilder_5444	216	White Trim on Porch	4.08	0.31
11-Apr-12	124	26.48	Wilder_5444	216	Foundation Paint, trim, concrete paint, sills	0.05	0.01
11-Apr-12	144	23.68	Wilder_5444	176	Window Sill	0	0
11-Apr-12	145	25.25	Wilder_5444	176	Window Sill	0	0
11-Apr-12	146	23.51	Wilder_5444	176	Window Sill	0	0
11-Apr-12	147	25.75	Wilder_5444	176	Window Sill	0	0
11-Apr-12	148	21.66	Wilder_5444	176	Window Sill	0	0
12-Apr-12	91	24.76	Wilder_5444	176	Window Sill	0	0
12-Apr-12	92	23.4	Wilder_5444	176	Tan Siding	2.81	0.15
12-Apr-12	93	24.42	Wilder_5444	176	Window Sill	0.02	0.01
12-Apr-12	94	23.93	Wilder_5444	176	Window Sill	0.02	0.01

Bagged Incremental Composite Samples

Date	Reading	LiveTime	Time	Pass Fail S	Analyst	SRM	LocID	SU	Replicate	Comment			Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	Mn	Mn +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-
10-May-12	2	36.91	13:08:16		stroh 5434	5861							54	5	54	6	96	24	134	11	645	53	165	102	1089	38	9	4	14810	198	3001	49	68	19	198	59	124	37	18	2	72	34	4	2	-29	32	122	4
10-May-12	3	30.2	13:11:40		stroh 5444	BLANK				no baggie			-4	2	4	1	26	17	3	3	9	26	0	0	-1	5	0	3	95	15	2	5	-29	12	-16	8	-18	13	0	1	-5	27	1	1	36	25	1	1
10-May-12	3	36.67	13:09:42		stroh 5434	Blank							-3	2	0	2	-23	19	7	3	-32	17	-139	52	-5	6	-5	2	20	14	-6	5	-64	16	-9	8	-16	13	0	1	-34	27	1	1	-120	25	0	1
10-May-12	4	30.88	13:13:48		stroh 5444	5861				no baggie			55	5	37	4	76	20	140	11	1026	78	0	0	940	32	6	4	13373	182	2812	47	76	15	64	51	115	35	21	2	65	33	3	1	115	30	110	3
10-May-12	4	36.53	13:11:14		stroh 5434	4315							256	9	18	8	-32	21	830	18	64	27	280	84	-2	8	-4	3	2672	66	97	9	48	17	13	24	585	39	8	1	-49	31	0	1	-96	29	292	5
10-May-12	5	37.51	13:13:05		stroh 5434	408							498	16	515	17	470	26	130	9	487	58	503	162	-40	17	397	16	44598	474	34	9	485	22	275	102	691	62	113	4	89	36	530	11	-41	34	166	4
10-May-12	5	31.47	13:16:16		stroh 5444	4315				no baggie			235	8	26	5	-18	18	782	18	-14	32	0	0	-5	6	-3	4	2329	61	79	8	-69	13	-52	20	640	40	10	1	39	28	-3	1	1	25	187	4
10-May-12	6	29.32	13:17:36		stroh 5444	408				no baggie			463	15	391	12	446	24	115	9	599	82	0	0	7	16	397	16	40599	440	17	8	389	18	95	91	609	59	124	4	79	35	487	10	140	32	155	4
10-May-12	6	36.11	13:15:35		stroh 5434	2711							5740	72	490	45	15	27	7200	94	-4	53	212	173	12	22	80	12	39603	481	2977	56	9	23	-48	105	10059	206	134	5	43	39	-2	4	-27	37	355	7
10-May-12	7	29.95	13:19:33		stroh 5444	408				no baggie			442	15	410	12	449	23	134	9	537	80	0	0	-15	16	414	17	41917	448	4	8	398	18	469	95	706	61	129	4	68	35	500	10	170	32	168	4
10-May-12	7	37.9	13:18:52		stroh 5434	2711							1236	22	38	18	43	24	322	13	40	37	376	127	6	15	13	5	25646	297	114	11	66	20	223	76	406	46	113	4	59	35	2	2	-54	33	257	5
10-May-12	8	36.85	13:28:46		stroh 5434	NA	120	1	1				895	18	-29	15	-28	23	699	19	-17	37	191	130	13	16	1	5	32605	355	97	10	-41	19	191	84	590	52	53	3	23	33	-1	2	-50	32	134	4
10-May-12	8	29.23	13:21:00		stroh 5444	408				no baggie			505	16	391	12	461	24	143	10	595	82	0	0	6	16	383	16	41581	451	3	8	383	18	128	93	702	61	116	4	175	36	491	10	186	33	155	4
10-May-12	9	37.49	13:30:06		stroh 5434	NA	120	1	1				861	19	-24	15	-25	24	651	19	29	39	-124	123	6	17	6	5	30310	354	82	10	-63	20	285	87	569	54	48	3	14	35	0	2	-109	33	121	4
10-May-12	9	30.26	13:29:26		stroh 5444	408	2711						1155	22	113	12	59	21	335	13	141	58	0	0	28	14	24	6	24724	292	109	11	38	15	117	71	478	48	119	4	-7	35	5	2	97	32	245	5
10-May-12	10	37.95	13:31:05		stroh 5434	NA	120	1	1				916	18	-43	15	-7	22	661	18	32	37	217	126	9	16	3	5	30141	329	88	10	-56	19	267	81	508	49	53	3	8	33	-1	2	-71	31	131	4
10-May-12	10	28.4	13:30:39		stroh 5444	2710							5692	72	641	32	58	24	7224	95	53	79	0	0	13	18	82	13	38655	471	3060	59	-18	18	-450	95	9664	200	139	5	30	39	-5	4	91	36	337	7
10-May-12	11	31.26	13:34:56		stroh 5444	NA	119	2					174	7	15	5	9	19	148	8	50	45	0	0	21	11	1	4	16883	202	28	7	-53	14	4	53	365	38	61	2	-28	30	0	1	50	27	128	3
10-May-12	11	36.91	13:33:15		stroh 5434	NA	120	1	2				962	19	-38	16	20	23	768	20	56	40	-94	126	0	17	5	5	33340	367	114	11	-27	19	408	88	547	52	56	3	-9	34	1	2	-73	32	146	4
10-May-12	12	30.26	13:36:00		stroh 5444	NA	119	2					170	7	14	5	22	19	156	9	55	45	0	0	16	11	1	4	16327	200	27	7	-21	14	86	54	330	38	63	3	-18	30	0	1	70	28	128	3
10-May-12	12	38.14	13:34:59		stroh 5434	NA	120	1	2				935	19	-20	15	-9	23	755	20	-11	37	137	129	-3	16	-1	5	32214	356	101	10	-44	19	364	86	472	50	53	3	9	33	0	2	-112	32	140	4
10-May-12	13	30.51	13:36:58		stroh 5444	NA	119	2					169	7	6	4	6	19	150	8	52	45	0	0	16	11	-1	4	16671	203	26	7	-58	14	82	54	347	38	63	3	-20	30	-2	1	56	27	125	3
10-May-12	13	36.78	13:36:00		stroh 5434	NA	120	1	2				940	19	-18	16	12	23	759	20	171	43	-190	118	-7	16	1	5	32968	361	109	11	-43	19	318	86	424	49	54	3	-24	33	-1	2	-81	32	141	4
10-May-12	14	30.86	13:38:24		stroh 5444	NA	119	1					408	11	6	7	-2	19	303	12	109	51	0	0	36	13	7	5	24578	272	46	8	-55	14	34	65	281	40	68	3	31	31	-1	1	95	28	131	4
10-May-12	14	37.83	13:37:26		stroh 5434	NA	120	1	3				782	16	-2	14	-56	22	620	17	37	37	162	124	-6	15	-4	4	30167	324	81	9	-64	18	350	80	546	49	57	3	1	32	2	2	-82	30	134	4
10-May-12	15	30.08	13:40:01		stroh 5444	NA	119	1					403	12	15	7	52	19	273	11	-18	48	0	0	3	12	0	4	24400	275	62	9	-37	14	187	67	313	41	70	3	37	32	0	1	58	29	144	4
10-May-12	15	37.89	13:38:26		stroh 5434	NA	120	1	3				824	17	-28	14	-61	22	661	18	4	37	582	137	17	16	5	5	30518	331	84	10	-72	19	306	81	554	50	52	2	23	32	-3	2	-78	31	131	4
10-May-12	16	30.06	13:43:07		stroh 5444	NA	119	1					406	12	20	7	74	19	274	11	-42	46	0	0	19	13	-8	4	24425	274	61	9	-30	14	100	66	271	40	69	3	29	31	-1	1	114	29	143	4
10-May-12	16	37.86	13:40:11		stroh 5434	NA	120	1	3				812	17	-17	14	-33	22	629	17	45	37	130	123	-35	14	-5	4	29570	323	85	9	-67	19	341	80	492	48	55	3	41	33	-2	2	-72	31	139	4
10-May-12	17	36.86	13:42:31		stroh 5434	NA	120	2	1				239	9	-18	8	-60	22	155	9	18	30	-115	99	-6	12	1	4	15584	196	37	7	-35	18	148	57	377	39	58	2	50	31	-2	1	-126	30	156	4
10-May-12	17	30.11	13:46:22		stroh 5444	NA	160	1	1				645	15	13	9	5	20	653	18	-2	49	0	0	40	14	0	5	23216	268	59	9	-38	15	150	66	450	45	53	3	32	32	3	2	36	29	307	6
10-May-12	18	36.78	13:43:52		stroh 5434	NA	120	2	1				208	8	4	7	-49	21	176	9	43	32	339	114	-12	12	4	4	15451	195	27	7	-21	18	280	58	352	39	58	2	14	32	-1	1	-86	30	154	4
10-May-12	18	30.55	13:47:59		stroh 5444	NA	160	1	1				634	15	16	9	41	20	607	17	48	51	0	0	4	12	-5	4	23394	274	74	9	-6	15	95	67	436	45	48	3	17	32	0	2	40	29	301	6
10-May-12	19	36.79	13:45:04		stroh 5434	NA	120	2	1				231	9	-12	7	-13	21	170	9	22	30	-73	99	-4	12	-3	3	16047	198	28	7	-37	18	130	57	405	40	63	3	0	31	-2	1	-95	29	155	4
10-May-12	19	30.5	13:49:05		stroh 5444	NA	160	1	1				637	15	16	9	23	20	675	18	79	53	0	0	-7	12	1	5	23334	272	71	9	-59	15	256	68	415	45	49	3	-31	32	-3	2	94	29	307	6
10-May-12	20	36.71	13:47:13		stroh 5434	NA	120	2	2				237	9	7	8	-3	21	175	9	45	31	114	105	1	12	-5	3	15420	193	27	7	-33	18	130	56	346	38	58	2	-24	31	0	1	-129	29	154	4
10-May-12	20	30.32	13:51:43		stroh 5444	NA	160	1	2				770	17	15	9	66	20	688	18	102	53	0	0	-3	13	1	5	23308	272	86	10	-43	15	308	69	477	46	49	3	41	32	-1	2	77	30	302	6
10-May-12	21	36.7	13:48:10		stroh 5434	NA	120	2	2				242	9	0	8	-9	22	164	9	34	31	129	107	1	12	3	4	15418	194	15	7	-17	18	220	57	368	39	63	3	26	32	-2	1	-164	30	161	4
10-May-12	21	29.99	13:58:08		stroh 5444	NA	160	1	2				731	16	1	9	12	20	744	19	198	57	0	0	26	13	5	5	23587	276	91	10	12	15	133	68	432	46	49	3	19	33	-2	2	109	30	305	6
10-May-12	22	37.91	13:49:42		stroh 5434	NA	120	2	2				253	9	-12	8	9	21	179	9	39	30	144	103	3	12	-5	3	14694	184	28	7	-32	18	208	54	443	40	59	2	18	31	0	1	-101	29	152	4
10-May-12	22	30.95	13:59:06		stroh 5444	NA	160	1	2				661	16	12	9	16	21	748	20	1	51	0	0	46	15	9	5	23391	280	92	10	-24	15	205	70	416	46	52	3	16	33	-1	2	99	30	303	6
10-May-12	23	36.84	13:52:38		stroh 5434	NA	120	2	3				251	9	-7	8	9	21	190	9	39	31	162	108	-11	11	-7	3	16606	204	17	7	-30	18	131	58	333	38	62	3	59	31	2	1	-95	30	161	4
10-May-12	23	30.21	14:00:39		stroh 5444	NA	160	1	3				669	15	6	9	21	20	716	19	67	52	0	0	32	13	11	5	23386	273	76	10	-34	15	43	66	464	46	52	3	0	33	1	2	99	30	278	5
10-May-12	24	36.91	13:53:53		stroh 5434	NA	120	2	3				268	9	-25	8	-42	22	194	9	18	30	61	105	5	12	-2	4	15543	197	25	7	-10	18	221	57	419	41	58	2	29	32	0	1	-127	30	156	4
10-May-12	24	30.45	14:03:24		stroh 5444	NA	160	1	3				614	15	7	8	22	20	718	19	96	53	0	0	15	13	4	5	23702	277	97	10	-15	15	225	69	399	45	50	3	-6	33	4	2	75	30	264	5
10-May-12	25	37.14	13:58:33		stroh 5434	NA	120	2	3				256	9	-20	8	-57	22	174	9	1	30	66	106	8	12	-7	3	15209	197	14	7	-69	18	146	57	413	41	59	3	-19	32	1	1	-113	30	155	4
10-May-12	25	30.54	14:06:48		stroh 5444	NA	160	1	3				680	16	-1	9	23	20	668	18	94	54	0	0	-3	12	-2	5	23846	281	85	10	-47	15	126	69	531	48	52	3	9	33	0	2	117	30	269	5
10-May-12	26	29.66	14:10:03		stroh 5444	NA	160	2	1				244	9	16	5	42	19	302	11	34	42	0	0	31	11	-4	4	14779	183	17	7	-49	14	20	49	367	37	64	3	29	30	1	1	84	27	130	3
10-May-12	26	37.99	14:17:33		stroh 5434	NA	175	1					140	7	-1	6	-34	21	158	8	55	32	68	107	3	12	0	4	17737	213	12	6	-61	18	188	60	422	41	66	3	24	31	-1	1	-116	30	124	3
10-May-12	27	29.82	14:12:20		stroh 5444	NA	160	2	1				258	9	9	5	-5	19	265	11	64	45	0	0	16	11	3	4	14851	186	39	7	-57	14	70	51	385	39	65	3	14	30	-1	1	91	27	128	3
10-May-12	27	38.13	14:18:33		stroh 5434	NA	175	1					153	7	-5	6	-35	21	155	8	26	31	125	111	3	13	-4	3	17982	216	16	7	-68	18	250	61	482	43	70	3	93	31	-1	1	-89	30	126	3
10-May-12	28	30.79	14:15:01		stroh 5444	NA	160	2	1				270	9	14	5	49	19	293	11	45	44	0	0	25	11	1	4	15321	188	38	7	-16	14	-9	50	444	40	67	3	-54	30	0	1	68	27	133	3
10-May-12	28	38.14	14:20:05		stroh 5434	NA	175	1					144	7	-2	6	-51	21	154	8	-6	30	97	111	-16	12	-3	3	18463	220	34	7	-25	18	186	61	584	45	68	3	-28	31	0	1	-85	30	125	3
10-May-12	29	30.41	14:16:03		stroh 5444	NA	160	2	2				258	9	10	5	23	19	288	11	17	42	0	0	10	10	4	4	14915	189	27	7	-48	14	29	51	374	38	62	3	8	30	0	1	82	28	127	4

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
10-May-12	29	38.34	14:21:20		stroh 5434	NA	175	2					136	7	-3	6	-47	22	157	9	-11	30	381	117	-12	11	-8	3	15760	199	25	7	-72	18	132	57	584	45	63	3	38	31	-1	1	-136	30	122	3						
10-May-12	30	29.86	14:17:12		stroh 5444	NA	160	2	2				265	9	13	5	5	19	272	11	77	45	0	0	23	11	-4	4	14846	185	28	7	-55	14	79	51	403	39	65	3	-17	30	-1	1	55	27	134	4						
10-May-12	30	37.9	14:22:29		stroh 5434	NA	175	2					130	7	2	6	-67	21	164	8	38	30	24	100	4	11	-1	3	15057	185	19	7	-51	17	120	53	488	41	63	2	-9	30	0	1	-118	28	120	3						
10-May-12	31	30.74	14:18:11		stroh 5444	NA	160	2	2				259	9	12	5	34	19	322	12	59	43	0	0	29	11	4	4	15371	188	36	7	-39	14	75	51	369	38	70	3	36	30	-1	1	42	27	125	3						
10-May-12	31	37.98	14:23:59		stroh 5434	NA	175	2					136	7	-5	6	-44	21	158	8	-14	28	-59	100	-2	12	0	4	15021	189	18	7	-32	18	166	55	593	44	64	3	11	31	-1	1	-134	29	116	3						
10-May-12	32	30.11	14:19:35		stroh 5444	NA	160	2	3				281	9	10	6	26	19	281	11	56	44	0	0	22	10	6	4	15192	191	33	7	-57	14	-62	50	388	39	67	3	-5	30	-2	1	107	28	127	3						
10-May-12	32	37	14:51:47		stroh 5434	Blank		2					-2	2	-3	2	-15	19	5	3	-48	17	-53	57	-3	6	-7	2	16	14	-14	4	-20	16	-5	8	-30	13	2	1	38	28	2	1	-128	26	4	1						
10-May-12	33	30.79	14:20:40		stroh 5444	NA	160	2	3				279	10	17	6	3	20	297	12	26	45	0	0	20	11	-5	4	15493	198	42	8	-50	14	52	53	495	43	70	3	16	31	-2	1	66	28	128	4						
10-May-12	33	37.22	14:52:47		stroh 5434	5861		2					61	5	49	6	48	24	149	11	629	53	-6	98	1061	37	4	4	14697	199	2695	46	72	19	170	59	164	38	20	2	39	35	3	2	-111	33	124	4						
10-May-12	34	29.93	14:21:52		stroh 5444	NA	160	2	3				277	9	10	6	42	19	295	11	-19	41	0	0	42	11	-1	4	14505	184	31	7	-48	14	-8	50	419	39	61	3	-37	31	-1	1	99	28	128	3						
10-May-12	34	36.79	14:54:59		stroh 5434	4315		2					287	9	-8	8	5	21	846	19	3	25	247	85	-12	8	-2	4	2672	68	99	9	77	18	-5	24	584	40	11	1	12	32	-1	1	-153	30	289	5						
10-May-12	35	30.32	14:28:40		stroh 5444	NA	160	Y1	1	EPA Method			431	12	13	7	-5	20	425	14	65	48	0	0	38	12	7	5	18577	226	55	8	-34	14	-81	57	434	43	68	3	17	32	-3	1	122	29	194	4						
10-May-12	35	37.87	14:56:25		stroh 5434	408							505	16	539	18	458	27	149	10	557	61	617	165	-24	18	388	16	44666	481	4	8	478	23	270	103	639	62	120	4	79	36	523	11	-55	34	174	5						
10-May-12	36	30.13	14:29:42		stroh 5444	NA	160	Y1	1	EPA Method			426	12	17	7	3	20	416	14	-29	45	0	0	21	12	1	4	18240	223	48	8	-12	14	108	58	488	44	62	3	-45	32	0	1	71	29	192	4						
10-May-12	36	37.01	14:57:39		stroh 5434	2711							1227	23	52	19	-16	25	332	13	3	37	322	135	-17	15	16	6	26337	313	99	11	75	20	204	79	444	49	113	4	6	36	4	2	-144	34	265	6						
10-May-12	37	30.1	14:31:44		stroh 5444	NA	160	Y1	1	EPA Method			440	12	16	7	38	20	372	13	33	47	0	0	14	12	7	5	18292	224	62	9	-31	14	136	59	427	42	66	3	4	32	-3	1	126	29	190	4						
10-May-12	37	36.27	14:58:54		stroh 5434	2710							5766	73	522	46	42	27	7098	93	-38	52	219	173	-49	20	47	11	38766	475	2961	56	21	23	-45	105	10343	210	136	5	5	40	6	4	-110	38	355	7						
10-May-12	38	31.15	14:34:04		stroh 5444	NA	160	Y1	2	EPA Method			373	11	11	6	23	20	506	15	25	46	0	0	33	12	3	4	17586	215	65	9	4	14	101	57	411	41	63	3	-10	32	-3	1	112	29	203	4						
10-May-12	39	30.15	14:36:56		stroh 5444	NA	160	Y1	2	EPA Method			360	11	8	6	3	20	443	14	68	48	0	0	29	12	4	4	17143	213	36	8	-7	14	109	57	467	43	59	3	-13	32	2	2	91	29	204	5						
10-May-12	40	30.06	14:41:30		stroh 5444	NA	160	Y1	2	EPA Method			352	11	9	6	13	20	449	14	15	46	0	0	33	12	2	4	17445	215	44	8	-27	14	-23	56	468	43	56	3	-15	32	-1	1	96	29	214	5						
10-May-12	41	29.89	14:43:34		stroh 5444	NA	160	Y1	3	EPA Method			432	12	12	7	20	20	559	16	72	49	0	0	39	12	6	5	19005	230	59	9	-14	14	-47	58	374	41	67	3	-2	32	-1	1	104	29	174	4						
10-May-12	42	30.19	14:45:32		stroh 5444	NA	160	Y1	3	EPA Method			399	11	20	7	3	20	520	16	34	47	0	0	27	12	3	4	19232	232	44	8	-7	14	18	59	453	43	65	3	33	32	-2	1	87	29	169	4						
10-May-12	43	29.91	14:46:49		stroh 5444	NA	160	Y1	3	EPA Method			414	12	13	7	18	19	516	15	64	48	0	0	20	12	20	5	18213	220	57	8	-45	14	79	57	464	43	61	3	-24	31	-1	1	66	28	174	4						
10-May-12	44	29.71	14:48:08		stroh 5444	NA	160	Y2	1	EPA Method			213	8	12	5	25	20	254	11	3	44	0	0	54	12	8	4	15474	196	31	7	-15	14	2	52	362	39	63	3	31	32	0	1	87	29	142	4						
10-May-12	45	29.9	14:49:05		stroh 5444	NA	160	Y2	1	EPA Method			217	8	8	5	18	20	242	11	60	46	0	0	26	11	4	4	15545	196	35	8	3	14	10	52	383	40	65	3	-20	31	-2	1	64	29	143	4						
10-May-12	46	29.96	14:50:12		stroh 5444	NA	160	Y2	1	EPA Method			217	8	16	5	-1	20	241	11	-24	43	0	0	37	12	7	4	15656	199	25	7	19	14	-27	52	377	40	65	3	-19	32	0	1	97	29	140	4						
10-May-12	47	29.75	14:51:38		stroh 5444	NA	160	Y2	2	EPA Method			226	9	3	5	21	20	271	11	48	47	0	0	28	11	3	4	16927	209	23	7	-9	14	-61	54	332	39	75	3	9	32	-2	1	128	29	142	4						
10-May-12	48	29.91	14:52:43		stroh 5444	NA	160	Y2	2	EPA Method			220	9	13	5	52	20	245	11	101	48	0	0	28	11	3	4	17092	212	24	7	-4	14	-71	54	325	39	73	3	-78	32	0	1	145	30	152	4						
10-May-12	49	29.96	14:53:42		stroh 5444	NA	160	Y2	2	EPA Method			209	8	20	5	-14	20	239	11	32	46	0	0	53	12	-1	4	17292	214	35	8	12	14	-134	54	311	38	72	3	-33	32	2	1	102	30	144	4						
10-May-12	50	31.62	14:54:54		stroh 5444	NA	160	Y2	3	EPA Method			509	13	16	8	17	20	413	14	59	50	0	0	31	12	7	5	19933	242	61	9	0	15	-21	60	363	42	55	3	29	33	-1	2	107	30	218	5						
10-May-12	51	30.28	14:55:51		stroh 5444	NA	160	Y2	3	EPA Method			499	13	-8	8	34	21	387	14	79	52	0	0	58	13	9	5	20121	246	70	9	14	15	-204	59	426	44	62	3	-39	33	0	2	111	30	221	5						
10-May-12	52	30.98	14:56:48		stroh 5444	NA	160	Y2	3	EPA Method			540	14	11	8	-24	21	402	14	-8	47	0	0	65	14	5	5	20824	250	50	9	24	15	-45	62	426	44	67	3	-77	33	-1	2	123	30	234	5						
10-May-12	53	30.98	14:58:34		stroh 5444	BLANK							-1	2	2	1	3	18	9	3	8	27	0	0	2	6	0	3	101	16	-4	4	21	13	-2	9	-1	15	1	1	-28	28	2	1	92	26	3	1						
10-May-12	54	30.75	14:59:33		stroh 5444	5861							48	5	52	4	59	21	107	11	1110	82	0	0	944	33	5	4	14432	196	3383	54	84	15	126	54	113	37	20	2	-10	35	7	2	180	32	113	4						
10-May-12	55	32.05	15:00:49		stroh 5444	4315							236	8	8	5	-9	18	795	18	38	33	0	0	6	7	1	4	2086	57	92	9	-32	13	-20	20	385	32	10	1	0	28	0	1	51	26	175	4						
10-May-12	56	29.33	15:01:52		stroh 5444	408							497	16	388	13	424	25	148	10	639	88	0	0	28	17	423	17	44448	489	19	9	446	19	-78	97	764	65	134	4	73	38	488	11	240	34	153	4						
10-May-12	57	30.23	15:03:03		stroh 5444	2711							1165	22	92	13	31	22	349	14	115	58	0	0	84	16	21	6	25141	300	115	11	43	16	11	71	487	49	121	4	18	36	5	2	151	32	238	5						
10-May-12	58	29.23	15:04:30		stroh 5444	2710							5822	73	592	32	48	24	7376	96	-18	79	0	0	70	20	68	13	39022	476	3060	59	-7	18	-463	96	9953	204	137	5	-31	40	-2	4	203	36	321	7						
10-May-12	59	28.43	15:06:00		stroh 5444	2710							5825	75	675	33	-8	25	7558	101	34	83	0	0	49	20	113	15	40304	501	3296	63	16	19	-290	101	10105	212	152	5	-18	42	1	5	192	38	340	7						
11-May-12	2	31.79	9:38:21		Patrick_5444	5861							46	5	39	4	74	20	145	11	956	74	0	0	942	31	3	4	13012	175	2744	46	16	14	102	50	182	36	18	2	15	32	3	1	65	29	120	3						
11-May-12	2	37	9:36:17		stroh 5434	5861							52	5	55	6	66	24	136	11	588	52	-38	95	1119	38	0	4	15044	202	2642	46	129	20	86	58	164	38	20	2	23	35	5	2	-60	33	120	4						
11-May-12	3	37.62	9:38:53		stroh 5434	4315							253	9	11	8	17	21	828	18	13	25	150	79	9	9	-4	3	2483	64	110	9	48	17	35	24	631	40	10	1	-37	31	0	1	-39	29	294	5						
11-May-12	3	30.6	9:39:41		Patrick_5444	4315							265	9	17	5	-5	18	822	18	52	35	0	0	-3	7	-1	4	2498	63	99	9	-41	13	-38	21	411	34	9	1	31	28	-2	1	30	26	246	5						
11-May-12	4	157.68	9:40:29		Patrick_5444	4315							NA		NA		NA		NA		34	4	365	20	NA		NA		2716	25	NA		NA		NA		483	9	NA		NA		NA		NA		NA							
11-May-12	4	36.83	9:41:26		stroh 5434	2711							1196	22	49	18	44	24	311	13	27	37	199	126	-25	14	17	6	25366	301	97	10	79	20	224	77	416	47	107	4	0	35	4	2	-77	33	255	5						
11-May-12	5	31.84	9:44:37		Patrick_5444	4315							224	8	10	5	19	17	738	17	-8	31	0	0	-2	6	2	4	2110	56	70	8	-63	13	-27	19	354	31	10	1	22	27	0	1	49	25	176	4						
11-May-12	5	36.57	9:46:44		stroh 5434	4315							279	9	-1	8	-54	21	799	18	2	25	237	84	14	9	1	4	2797	69	112	9	41	17	13	25	688	42	10	1	20	31	0	1	-112	29	293	5						
11-May-12	6	158.73	9:45:25		Patrick_5444	4315							NA		NA		NA		NA		34	4	326	19	NA		NA		2285	22	NA		NA		NA		456	9	NA		NA		NA		NA		NA							
11-May-12	6	37.99	9:50:36		stroh 5434	Blank							2	3	-2	2	-38	19	3	3	-31	18	-86	55	-9	6	-2	3	-8	13	-7	5	-36	16	-5	8	1	14	2	1	-27	27	1	1	-142	25	4	1						
11-May-12	7	30.12	9:51:23		Patrick_5444	BLANK							-3	2	0	1	8	17	7	3	23	28	0	0	-10	5	-2	3	100	15	0	5	-10	12	5	9	-7	14	-2	1	38	27	0	1	59	25	2	1						
11-May-12	7	36.23	9:52:32		stroh 5434	2710							5764	72	495	45	-59	27	7080	92	-30	51	-27	166	-50	20	48	11	38258	468	3000	56	35	23	28	104	9711	201	124	4	36	40	0	4	-78	37	340	7						
11-May-12	8	38.19	9:56:53		stroh 5434	NA	159	1	none				484	13	-15	11	-22	22	434	14	-1	32	272	116	-3	13	2	4	18216	223	51	8	15	19	179	62	433	43	62	3	45	33	1	2	-111	31	232	5						
11-May-12	8	163.64	9:52:11		Patrick_5444	BLANK							NA		NA		NA		NA		-10	3	-21	10	NA		NA		66	7	NA		NA		NA		-11	4	NA		NA		NA		NA		NA							
11-May-12	9	37.17	9:59:20		stroh 5434	NA	159	1	none	run2			490	13	-33	11	-18	23	416	14	49	34	98	115	-4	13	0	4	17817	228	46	8	-3	19	94	63	381	43	58	3	1	34	2	2	-60	32	234	5						
11-May-12	9	28.29	10:03:33		Patrick_5444	2710							5564	71	613	31	0	24	7167	94	39	77	0	0	44	19	72	13	37452	459	3033	58	-37	18	-294	95	9358	196	145	5	67	39	2	4	136	36	338	7						
11-May-12	10	37.99	10:02:33		stroh 5434	NA	159	1	none	run3			487	13	-37	11	-50	22	413	14	4	32	121	113	8	13	1	4	18345	226	47	8	5	19	140	62	415	42	54	2	-16	33	1	2	-162	31	238	5						
11-May-12	10	30.17	10:05:51		Patrick_5444	408							452	15	410	12	415	24	130	9	650	83	0	0	1	15	421	17	42889	456	11	8	408	18	24	92	662	60	125	4	71	35	493	10	142	32	151	4						
11-May-12	11	37.96	10:07:42		stroh 5434	NA	159	2	none	run1			178	8	-4	7	-30	21	180	9	-58	27	219	107	3	12	2	4	15775	195	17	7	-7	18	206	57	386	39	61	2	41	31	-1	1	-105	29	120	3						
11-May-12	11	30.88	10:08:25		Patrick_5444	2711							1151	21	102	12	49	21	319	13	2	52	0	0	48	14	26	6	24878	289	98	10	37	15	61	69	419	46	116	4	-62	34	2	2	120	31	250	5						
11-May-12	12	37.87	10:09:26		stroh 5434	NA	159	2	none	run2			179	8	-4	7	-27	21	173	9	24	30	202	105	18	12	-1	3	15902	194	20	7	-45	18	50	55	345	38	63	2	8	31	0	1	-141	29	127	3						
11-May-12	12	30.16	10:14:08		Patrick_5444	NA	163	Y1	1	run1			111	6	7	4	41	19	128	8	91	45	0	0	20	11	-6	3	14226	178	18	7	3	14	71	49	623	44	68	3	-4	30	-2	1	65	28	108	3						
11-May-12	13	37.93	10:12:27		stroh 5434	NA	159	2	none	run3			185	8	13	7	-5	21	188	9	8	30	277	109	16	12	4	4	15992	195	27	7	-19	18	163	56	388	39	63	2	32	31	0	1	-84	29	123	3						
11-May-12	13	29.55	10:18:27		Patrick_5444	NA	163	Y1	1	run2			104	6	10	4	-33	19	118	8	49	44	0	0	15	11	6	4	14817	186	16	7	-17	14	57	51	474	41	75	3	0	31	0	1	49	28	108	3						
11-May-12	14	29.04	10:19:51		Patrick_5444	NA	163	Y1	1	run3			119	6	8	4	37	19	138	8	49	44	0	0	39	11	1	4	14526	182	23	7	8	14	24	49	681	45	70	3	43	31	-1	1	69	28	107	3						
11-May-12	14	37.08	10:17:20		stroh 5434	NA	215	1	none	run1			348	11	-11	9	-61	21	215	10	-1	31	136	112	-14	13	-1	4	20345	237	39	8	-75	18	322	66	343	40	57	2	-26	31	0	1	-102	29	127	4						
11-May-12	15	30.17	10:22:01		Patrick_5444	NA	163	Y1	2	run1			118	6	12	4	24	18	96	7	15	41	0	0	8	10	7	4	12913	168	11	6	-64	13	42	47	538	41	62	3	1	29	-2	1	55	27	96	3						
11-May-12	15	37.1	10:18:54		stroh 5434	NA	215	1	none	run2			362	11	4	9	-36	21	247	11	34	33	120	112	18	14	1	4	20960	243	23	7	-115	18	196	66	408	42	58	2	47	30	0	1	-103	29	135	4						
11-May-12	16	30.82	10:28:18		Patrick_5444	NA	163	Y1	2	run2			129	6	7	4	24	18	113	7	51	42	0	0	4	10	1	4	13671	171	11	6	-75	13	98	48	656	44	65	3	26	29	0	1	58	26	97	3						
11-May-12	16	37.92	10:20:22		stroh 5434	NA	215	1	none	run3			339	10	-1	9	-44	21	215	10	50	32	20	104	16	13	0	4	20367	231	38	7	-96	17	194	63	335	39	61	2	15	30	2	1	-131	29	133	4						
11-May-12	17	29.38	10:30:30		Patrick_5444	NA	163	Y1	2	run3			130	6	5	4	36	18	113	7	-7	40	0	0	21	10	7	4	13860	173	21	7	-58	13	7	47	664	44	64	2	14	29	-3	1	52	27	94	3						
11-May-12	17	38.3	10:29:29		stroh 5434	NA	215	2	none	run1			217	8	-3	7	-51	21	158	8	-1	29	60	103	-8	11	-4	3	15229	191	20	7	-69	18	193	56	329	37	62	2	24	30	1	1	-165	29	115	3						
11-May-12	18	29.42	10:32:39		Patrick_5444	NA	163	Y1	3	run1			136	7	6	4	29	19	115	8	24	44	0	0	6	10	2	4	14915	187	107	10	-26	14	92	51	652	45	75	3	27	31	1	1	77	28	105	3						
11-May-12	18	36.97	10:31:12		stroh 5434	NA	215	2	none	run2			221	8	1	7	-51	21	175	9	48	31	39	103	-1	11	-1	4	14869	187	23	7	-58	18	153	55	323	37	61	2	-44	30	-1	1	-155	29	122	3						
11-May-12	19	29.82	10:34:32		Patrick_5444	NA	163	Y1	3	run2			138	7	5	4	44	19	118	8	56	44	0	0	13	10	11	4	15847	192	90	9	13	14	29	51	580	43	75	3	-48	30	1	1	88	28	105	3						
11-May-12	19	37.6	10:33:07		stroh 5434	NA	215	2	none	run3			211	8	-10	7	19	20	173	8	19	28	177	100	22	11	3	4	14625	176	26	7	-74	17	49	51	327	35	63	2	11	29	1	1	-118	28	120	3						
11-May-12	20	36.95	10:43:06		stroh 5434	NA	121	2					248	9	15	8	-53	20	169	9	-56	24	68	98	-8	10	-3	3	11355	154	21	7	-117	17	126	47	557	41	63	2	0	29	0	1	-82	28	127	3						
11-May-12	20	29.3	10:36:11		Patrick_5444	NA	163	Y1	3	run3			136	7	7	4	18	19	113	7	21	43	0	0	36	11	2	4	14638	183	89	9	-5	14	-65	49	644	44	71	3	9	30	-2	1	81	28	105	3						
11-May-12	21	36.74	10:45:30		stroh 5434	NA	121	2					252	9	-1	8	-30	21	162	8	-14	26	73	98	-6	10	5	4	10705	148	26	7	-65	17	170	47	421	37	57	2	2	30	-1	1	-126	28	122	3						
11-May-12	21	29.69	10:38:41		Patrick_5444	NA	163	Y2	1	run1			91	6	9	4	0	19	107	7	19	44	0	0	15	11	0	4	14978	187	22	7	-7	14	99	51	471	41	73	3	38	31	0	1	78	28	101	3						
11-May-12	22	36.9	10:46:59		stroh 5434	NA	121	2					259	9	0	8	-21	21	161	8	49	29	130	101	-11	10	-3	3	10637	148	35	7	-76	17	157	46	451	39	60	2	-6	30	0	1	-173	28	120	3						
11-May-12	22	29.06	10:40:01		Patrick_5444	NA	163	Y2	1	run1			105	6	5	4	2	19	119	8	79	45	0	0	4	10	1	4	15438	191	3	6	11	14	41	51	444	40	71	3	-32	31	2	1	93	28	103	3						
11-May-12	23	30.27	10:41:50		Patrick_5444	NA	163	Y2	1	run3			97	6	6	4	2	19	115	7	64	44	0	0	13	11	3	4	15658	191	20	7	29	14	87	52	476	41	78	3	21	31	-1	1	87	28	108	3						
11-May-12	23	36.59	10:49:49		stroh 5434	NA	221	2	1	run1			123	6	9	6	-23	21	220	10	11	29	186	106	-4	12	-3	3	14553	184	17	7	-5	18	222	55	530	42	62	2	33	31	2	1	-114	29	136	4						
11-May-12	24	29.33	10:44:39		Patrick_5444	NA	163	Y2	2	run1			110	6	7	4	41	19	138	8	13	41	0	0	27	11	10	4	12890	168	20	7	-14	14	26	47	599	43	74	3	-66	31	-2	1	25	28	107	3						
11-May-12	24	36.78	10:51:28		stroh 5434	NA	221	2	1	run2			121	6	-2	6	-13	21	209	10	-1	29	66	100	-3	11	-3	3	14317	183	21	7	-30	18	177	54	495	41	62	2	41	31	-1	1	-131	29	132	4						
11-May-12	25	30.6	10:46:18		Patrick_5444	NA	163	Y2	2	run2			103	6	8	4	-8	18	129	8	0	41	0	0	14	10	-3	3	12862	166	24	7	-18	14	-3	46	494	40	66	3	-18	29	-1	1	36	27	109	3						
11-May-12	25	37.4	10:52:38		stroh 5434	NA	221	2	1	run3			126	7	-3	6	-55	22	211	10	18	31	213	110	-7	12	3	4	14143	188	20	7	-64	18	257	57	401	40	59	3	7	32	-2	1	-105	30	131	4						
11-May-12	26	29.61	10:47:51		Patrick_5444	NA	163	Y2	2	run3			104	6	10	4	13	18	120	7	39	41	0	0	17	10	11	4	12501	163	20	7	-50	13	27	46	527	41	68	3	31	30	-2	1	28	27	101	3						
11-May-12	26	36.72	10:54:33		stroh 5434	NA	221	2	2	run1			130	7	-4	6	12	21	188	9	-30	27	95	101	11	12	-2	3	14457	181	24	7	-20	18	119	53	539	42	60	2	20	31	-1	1	-70	29	141	4						
11-May-12	27	29.68	10:50:52		Patrick_5444	NA	163	Y2	3	run1			139	7	6	4	37	19	196	9	18	43	0	0	2	10	6	4	13458	174	14	6	-32	14	84	49	573	43	68	3	-47	30	1	1	74	28	108	3						
11-May-12	27	36.54	10:57:05		stroh 5434	NA	221	2	2	run2			124	6	1	6	-9	21	186	9	34	30	55	101	-31	11	0	3	14805	185	24	7	-25	18	308	56	517	42	63	2	90	31	2	1	-121	29	140	4						
11-May-12	28	30.39	10:52:15		Patrick_5444	NA	163	Y2	3	run2			133	7	5	4	42	19	189	9	-12	40	0	0	22	10	7	4	13619	173	12	6	-19	14	48	48	426	38	71	3	-3	30	0	1	77	27	97	3						
11-May-12	28	36.95	10:58:26		stroh 5434	NA	221	2	2	run3			114	6	-3	6	-30	21	179	9	-45	27	272	110	7	12	-3	3	14207	184	32	7	-45	18	118	54	470	41	54	2	10	31	-1	1	-152	30	141	4						
11-May-12	29	30.3	10:53:30		Patrick_5444	NA	163	Y2	3	run3			132	7	10	4	18	19	197	9	32	43	0	0	23	11	-2	4	13949	177	20	7	0	14	90	49	560	42	76	3	-45	30	-3	1	66	28	104	3						
11-May-12	29	37.01	11:00:09		stroh 5434	NA	221	2	3	run1			174	8	0	7	-44	21	327	12	27	31	207	110	13	12	6	4	15117	192	19	7	-57	18	97	55	491	42	63	3	-27	31	1	1	-111	29	132	4						
11-May-12	30	30.01	10:56:42		Patrick_5444	NA	163	1	e845	bag marked e845 run1			73	5	3	3	25	19	156	9	35	43	0	0	18	11	8	4	13418	176	15	7	19	14	97	49	611	44	70	3	14	31	-1	1	53	28	103	3						
11-May-12	30	36.57	11:02:40		stroh 5434	NA	221	2	3	run2			187	8	-17	6	-12	21	355	12	-17	28	336	109	16	12	1	4	15673	189	32	7	-24	17	194	55	486	41	64	2	6	30	-1	1	-90	29	142	4						
11-May-12	31	29.93	10:57:57		Patrick_5444	NA	163	1	e845	bag marked e845 run2			74	5	7	3	4	19	174	9	67	45	0	0	22	11	1	4	13752	179	35	7	-5	14	52	49	550	43	64	3	28	31	-2	1	69	28	105	3						
11-May-12	31	36.88	11:04:11		stroh 5434	NA	221	2	3	run3			161	7	2	6	15	21	321	12	37	30	-51	101	-1	11	1	4	14870	188	16	7	-69	18	91	54	447	40	60	2	43	31	0	1	-90	29	130	4						
11-May-12	32	30.55	10:59:12		Patrick_5444	NA	163	1	e845	bag marked e845 run3			73	5	11	3	38	19	158	8	11	42	0	0	14	10	1	4	13587	174	22	7	-15	14	17	48	660	45	66	3	-21	31	1	1	122	28	99	3						
11-May-12	32	38.03	11:10:05		stroh 5434	NA	221	2	3	run3			176	7	-11	6	1	21	341	12	-28	28	196	106	8	12	1	4	14987	186	22	7	-37	17	118	54	480	41	59	2	-23	30	-2	1	-122	29	137	4						
11-May-12	33	29.57	11:02:07		Patrick_5444	NA	163	1	2	run1			87	6	9	3	35	19	194	9	103	45	0	0	10	10	1	4	13761	179	15	7	18	14	21	49	554	43	72	3	-9	31	0	1	59	29	105	3						
11-May-12	33	36.84	11:10:56		stroh 5434	NA	221	2	3	run3			173	8	-10	7	-18	22	367	13	-23	29	212	110	3	12	-2	4	15176	193	27	7	-37	18	119	55	538	43	59	2	17	31	3	1	-149	30	138	4						
11-May-12	34	30.74	11:03:27		Patrick_5444	NA	163	1	2	run2			91	6	6	3	20	19	182	9	43	43	0	0	12	10	-1	4	13898	177	8	6	-19	14	26	49	697	46	71	3	27	31	0	1	84	28	104	3						
11-May-12	34	36.81	11:11:45		stroh 5434	NA	221	2	3	run3			182	8	-8	7	-45	21	336	12	47	31	-21	101	4	12	1	4	15061	190	34	7	-51	18	108	55	428	40	61	2	-60	31	-2	1	-143	29	137	4						
11-May-12	35	29.59	11:04:52		Patrick_5444	NA	163	1	2	run3			91	6	8	4	29	19	188	9	31	44	0	0	17	11	-3	4	14485	184	10	6	8	14	86	51	666	46	77	3	-24	31	-2	1	18	28	111	3						
11-May-12	35	37.99	11:12:36		stroh 5434	NA	221	2	3	run3			170	7	3	6	-25	21	336	12	1	28	71	100	12	12	-1	3	15043	186	26	7	-69	17	140	54	467	40	61	2	10	30	-1	1	-73	29	136	3						
11-May-12	36	29.36	11:16:53		Patrick_5444	NA	163	1	3	run1			84	6	6	3	-9	19	169	9	93	45	0	0	18	10	5	4	13802	178	19	7	13	14	-21	48	566	43	69	3	-25	31	1	1	84	29	101	3						
11-May-12	36	36.88	11:13:26		stroh 5434	NA	221	2	3	run3			175	8	1	7	-68	21	362	12	-51	27	216	107	10	12	1	4	14907	189	29	7	-22	18	146	55	465	41	65	3	42	31	-3	1	-128	29	143	4						
11-May-12	37	30.49	11:18:40		Patrick_5444	NA	163	1	3	run2			84	6	10	3	-29	19	193	9	42	44	0	0	24	11	-4	4	14222	180	31	7	11	14	-16	49	644	45	66	3	29	31	0	1	95	28	104	3						
11-May-12	37	37.85	11:14:16		stroh 5434	NA	221	2	3	run3			167	7	11	7	-42	21	334	12	55	31	94	104	-5	11	-5	3	14988	188	40	7	-30	18	175	55	418	40	60	2	9	31	0	1	-87	29	142	4						
11-May-12	38	29.88	11:22:41		Patrick_5444	NA	163	1	3	run3			91	6	7	4	30	19	182	9	74	46	0	0	34	11	1	4	14425	185	17	7	-5	14	21	50	636	45	70	3	-12	31	1	1	67	28	105	3						
11-May-12	38	36.8	11:15:06		stroh 5434	NA	221	2	3	run3			171	7	-8	6	-15	21	325	12	3	29	257	108	16	12	-3	3	14522	184	27	7	-53	18	141	54	488	41	61	2	44	31	-1	1	-88	29	136	4						
11-May-12	39	29.91	11:25:21		Patrick_5444	NA	163	1	3	Precision Check (PC)			91	6	5	3	17	19	183	9	11	43	0	0	37	11	8	4	14314	184	21	7	-36	14	14	50	531	43	74	3	-21	31	-1	1	56	28	102	3						
11-May-12	39	38.03	11:22:11		stroh 5434	NA	180	2	e1200	bag marked e1200 run1			102	6	-1	5	-42	20	80	6	8	27	43	96	3	11	-4	3	11446	154	6	6	-76	17	231	48	606	42	59	2	18	30	1	1	-141	28	113	3						
11-May-12	40	29.92	11:26:18		Patrick_5444	NA	163	1	3	Precision Check (PC)			91	6	6	3	0	19	190	9	45	44	0	0	40	11	0	4	14175	182	21	7	-16	14	-43	49	543	43	67	3	-13	31	-1	1	35	28	106	3						
11-May-12	40	36.92	11:23:27		stroh 5434	NA	180	2	e1200	bag marked e1200 run2			100	6	1	5	-28	21	78	6	9	28	18	101	4	11	-5	3	11537	158	11	6	-57	18	142	48	590	43	64	3	-37	30	0	1	-113	29	114	3						
11-May-12	41	30.71	11:27:08		Patrick_5444	NA	163	1	3	Precision Check (PC)			94	6	2	3	25	19	181	9	41	43	0	0	26	11	-3	4	14440	183	18	7	4	14	-4	49	603	44	71	3	-28	31	-3	1	97	28	106	3						
11-May-12	41	36.83	11:25:47		stroh 5434	NA	180	2	e1200	bag marked e1200 run3			109	6	-2	5	-50	20	70	6	-13	26	15	94	-10	10	4	4	11161	151	12	6	-80	17	117	46	478	39	64	2	9	30	-2	1	-151	28	116	3						
11-May-12	42	30.75	11:27:58		Patrick_5444	NA	163	1	3	Precision Check (PC)			84	6	5	3	44	19	187	9	36	43	0	0	23	11	-1	4	14532	185	16	7	29	14	54	50	621	44	70	3	14	31	1	1	108	29	110	3						
11-May-12	42	36.53	11:28:23		stroh 5434	NA	179	2		run1			165	7	-8	6	-2	21	188	9	14	28	99	102	10	11	3	4	13442	172	24	7	-46	17	103	51	445	39	56	2	-46	31	-1	1	-122	29	122	3						
11-May-12	43	29.86	11:28:48		Patrick_5444	NA	163	1	3	Precision Check (PC)			75	5	13	3	-15	19	195	9	-87	39	0	0	19	10	-5	3	14081	181	13	6	-6	14	-41	49	684	46	69	3	-53	31	1	1	45	28	106	3						
11-May-12	43	36.86	11:29:46		stroh 5434	NA	179	2		run2			168	7	0	6	-21	21	193	9	36	30	57	100	-16	10	0	4	13634	176	9	6	-71	17	112	52	463	40	58	2	-2	31	-3	1	-112	29	118	3						
11-May-12	44	30.8	11:29:38		Patrick_5444	NA	163	1	3	Precision Check (PC)			85	6	7	3	24	19	187	9	-4	42	0	0	19	10	-5	3	14142	180	25	7	5	14	0	49	682	45	74	3	5	31	0	1	42	28	103	3						
11-May-12	44	36.55	11:31:16		stroh 5434	NA	179	2		run3			170	7	2	7	-42	21	195	9	1	28	64	102	-13	11	1	4	13473	174	31	7	-6	18	175	52	504	41	61	2	40	31	1	1	-170	29	123	3						
11-May-12	45	29.86	11:30:28		Patrick_5444	NA	163	1	3	Precision Check (PC)			91	6	5	3	6	20	176	9	65	46	0	0	21	11	6	4	14052	183	24	7	7	14	9	50	611	45	74	3	-7	32	-3	1	99	29	110	3						
11-May-12	45	38.08	11:34:35		stroh 5434	NA	218	2		run1			181	8	-16	6	3	21	125	8	2	28	152	105	-3	10	5	4	11973	160	11	6	-66	17	74	48	542	41	59	2	28	30	0	1	-119	29	106	3						
11-May-12	46	30.05	11:31:19		Patrick_5444	NA	163	1	3	Precision Check (PC)			78	5	15	4	47	20	179	9	57	45	0	0	26	11	4	4	14183	184	13	7	1	14	62	50	715	47	71	3	22	32	2	1	86	29	112	3						
11-May-12	46	36.94	11:36:02		stroh 5434	NA	218	2		run2			171	8	-1	7	-28	21	144	8	-23	27	170	105	9	11	-4	3	12282	167	19	7	-15	18	37	49	507	41	60	2	19	31	1	1	-176	29	121	3						
11-May-12	47	36.77	11:37:36		stroh 5434	NA	218	2		run3			173	7	2	7	-31	21	143	8	23	29	38	100	8	11	-1	3	12274	165	24	7	-57	18	137	50	518	41	60	2	38	31	-1	1	-111	29	113	3						
11-May-12	47	31.03	11:35:37		Patrick_5444	4315							234	8	3	5	42	18	781	18	21	33	0	0	-1	6	0	4	2227	59	82	8	-58	13	-39	20	435	34	8	1	43	28	3	1	13	25	159	4						
11-May-12	48	36.82	11:39:34		stroh 5434	NA	222	2		run1			89	6	-3	5	-58	21	81	6	-43	25	67	99	1	11	2	4	10001	143	10	6	-8	18	183	46	502	39	61	2	48	31	1	1	-84	29	131	3						
11-May-12	48	30.78	11:37:06		Patrick_5444	2711							1128	21	107	12	51	21	325	13	40	54	0	0	27	14	22	6	25086	293	106	11	45	15	66	70	390	45	123	4	-19	35	0	2	106	31	239	5						
11-May-12	49	36.48	11:40:54		stroh 5434	NA	222	2		run2			93	6	2	5	-64	21	89	6	-7	26	84	96	-1	10	1	3	10777	148	11	6	-35	17	53	45	534	40	60	2	-1	30	1	1	-115	29	126	3						
11-May-12	49	29.02	11:38:24		Patrick_5444	408							467	16	431	13	398	24	128	10	588	84	0	0	50	17	421	17	42582	465	24	9	395	18	-9	94	571	59	129	4	116	36	481	10	265	33	160	4						
11-May-12	50	36.82	11:42:12		stroh 5434	NA	222	2		run3			98	6	-6	5	-34	21	65	6	-1	27	0	97	14	11	-1	3	10345	147	17	7	-42	18	106	46	534	41	58	2	42	31	2	1	-120	29	122	3						
11-May-12	50	28.9	11:40:09		Patrick_5444	2710							5682	72	622	32	9	24	7156	94	61	80	0	0	83	21	93	14	38668	472	3162	60	4	18	-247	97	9336	197	146	5	70	40	-2	4	148	36	342	7						
11-May-12	51	31.55	11:41:27		Patrick_5444	5861							48	5	41	4	70	20	125	11	876	73	0	0	1050	33	3	4	13435	182	2912	48	67	15	28	50	65	33	21	2	40	33	3	1	94	30	106	3						
11-May-12	51	37.91	11:48:17		stroh 5434	Blank							-2	2	-2	2	-51	19	9	3	-50	17	-108	55	13	7	3	3	2	14	-9	5	-20	16	-4	8	3	15	1	1	49	28	-1	1	-94	26	4	1						
11-May-12	52	29.95	11:42:54		Patrick_5444	BLANK							1	2	0	1	29	18	3	3	79	31	0	0	-4	5	4	3	117	16	8	5	14	13	-10	8	-8	15	1	1	-13	28	0	1	44	26	-1	1						
11-May-12	52	36.36	11:49:30		stroh 5434	2710							5700	72	468	45	-77	27	7047	93	-78	50	192	172	-17	21	69	12	38313	471	2870	55	11	23	36	105	9902	204	129	5	123	40	3	4	9	38	353	7						
11-May-12	53	30.77	11:46:11		Patrick_5444	NA	163	2	1	run1			136	6	10	4	-15	18	161	8	114	45	0	0	19	10	4	4	13496	170	13	6	-59	13	18	47	564	42	68	3	-22	29	-1	1	40	27	102	3						
11-May-12	53	36.79	11:51:04		stroh 5434	4315							279	9	2	8	-28	21	780	18	19	25	74	79	-11	8	-3	4	2693	68	103	9	54	18	-12	24	665	42	9	1	-8	32	1	1	-98	30	288	5						
11-May-12	54	29.98	11:47:24		Patrick_5444	NA	163	2	1	run2			129	6	9	4	42	19	144	8	14	42	0	0	21	10	0	4	13507	174	12	6	-51	14	-58	47	645	44	69	3	-25	29	-2	1	18	27	98	3						
11-May-12	54	37.11	11:52:32		stroh 5434	2711							1181	22	44	18	29	24	328	13	-4	35	-27	119	-31	14	7	5	24995	299	95	10	72	20	307	78	482	49	115	4	57	36	4	2	-94	33	258	5						
11-May-12	55	30.91	11:48:56		Patrick_5444	NA	163	2	1	run3			130	6	9	4	6	18	152	8	1	40	0	0	37	11	3	4	13654	171	19	6	-79	13	-32	46	645	43	64	2	59	28	-1	1	106	26	99	3						
11-May-12	55	37.22	11:53:45		stroh 5434	5861							52	5	50	6	81	24	121	11	694	55	16	100	992	37	1	4	14352	196	2641	46	76	20	275	59	119	37	21	2	34	35	3	2	-81	33	130	4						
11-May-12	56	36.85	11:57:32		stroh 5434	NA	157	2		run1			99	6	2	5	-45	21	91	7	1	27	-88	93	-16	10	2	4	11792	160	17	6	-63	17	194	50	463	39	64	3	22	31	1	1	-131	29	115	3						
11-May-12	56	30.17	11:50:40		Patrick_5444	NA	163	2	2	run1			140	7	12	4	12	18	134	8	75	44	0	0	17	10	7	4	14174	175	34	7	-9	13	-5	47	608	43	70	3	-19	29	-2	1	106	27	102	3						
11-May-12	57	37.7	11:58:49		stroh 5434	NA	157	2		run2			99	6	-3	5	-20	21	86	6	-25	26	375	109	-11	10	-6	3	11688	154	14	6	-9	17	242	48	553	41	61	2	21	30	-2	1	-139	28	118	3						
11-May-12	57	30.77	11:51:56		Patrick_5444	NA	163	2	2	run2			136	7	6	4	44	18	146	8	8	41	0	0	34	11	2	4	14024	177	30	7	-37	14	-55	47	627	43	68	3	10	30	-1	1	17	27	100	3						
11-May-12	58	37.93	12:00:30		stroh 5434	NA	157	2		run3			93	6	2	5	-51	20	82	6	-4	27	63	98	-12	10	-2	3	11792	156	18	7	-59	17	208	48	518	40	63	2	11	30	0	1	-113	28	116	3						
11-May-12	58	30.27	11:53:19		Patrick_5444	NA	163	2	2	run3			129	6	8	4	7	18	139	8	-9	39	0	0	27	10	3	4	13758	172	19	6	-41	13	-35	46	582	42	68	3	-21	29	0	1	54	27	105	3						
11-May-12	59	37.94	12:02:30		stroh 5434	NA	158	2		run1			163	7	2	6	-29	20	161	8	29	27	-177	89	-10	10	-5	3	11569	154	13	6	-82	17	191	48	578	41	61	2	28	30	1	1	-147	28	115	3						
11-May-12	59	29.78	11:54:59		Patrick_5444	NA	163	2	3	run1			126	6	13	4	-2	18	162	8	51	42	0	0	39	11	0	4	13060	168	30	7	-69	13	-39	46	597	42	65	3	11	29	-1	1	57	27	93	3						
11-May-12	60	37.71	12:03:58		stroh 5434	NA	158	2		run2			167	7	2	6	-57	21	152	8	7	28	243	103	-11	11	-3	3	12177	159	19	6	-42	17	228	49	587	42	63	2	6	29	1	1	-129	28	111	3						
11-May-12	60	29.93	11:58:17		Patrick_5444	NA	163	2	3	run2			131	6	9	4	-1	18	157	8	-17	40	0	0	23	10	5	4	13190	170	16	6	-53	14	-28	46	634	43	62	3	-72	29	-1	1	11	27	98	3						
11-May-12	61	36.95	12:05:09		stroh 5434	NA	158	2		run3			146	7	13	6	-35	21	163	9	-1	28	118	102	1	11	-4	3	11717	160	14	6	-72	18	152	49	550	42	62	2	2	30	1	1	-157	29	110	3						
11-May-12	61	30.63	11:59:38		Patrick_5444	NA	163	2	3	run3			124	6	9	4	23	18	154	8	10	39	0	0	16	10	-6	3	13064	164	20	6	-61	13	12	45	646	43	63	2	24	29	-1	1	52	26	98	3						
11-May-12	62	36.96	12:07:05		stroh 5434	NA	161	2		run1			78	5	4	5	-30	21	118	7	27	30	106	103	-17	11	-2	3	14482	183	51	8	-88	17	140	54	458	40	62	2	66	30	2	1	-158	29	127	3						

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
11-May-12	62	28.32	12:01:16		Patrick_5444	2710							5632	72	644	32	50	24	7382	97	-4	78	0	0	77	20	88	14	39540	485	3120	60	-37	18	-374	98	9699	203	143	5	-63	40	-7	4	121	37	317	7						
11-May-12	63	36.97	12:09:30		stroh 5434	NA	161	2		run2			86	6	2	5	-46	21	122	7	19	29	192	104	6	11	3	4	14746	184	49	8	-86	17	57	53	580	43	61	2	-7	30	-1	1	-93	28	120	3						
11-May-12	63	29.75	12:03:21		Patrick_5444	2711							1188	22	89	13	65	22	356	14	-7	54	0	0	26	14	7	6	25049	299	89	10	68	16	105	72	435	48	110	4	65	36	3	2	146	33	257	5						
11-May-12	64	36.84	12:11:25		stroh 5434	NA	161	2		run3			94	6	-3	5	-44	21	110	7	-34	28	260	110	-1	11	6	4	14770	186	61	8	-46	18	112	54	576	43	64	3	31	31	1	1	-116	29	132	4						
11-May-12	64	29.5	12:04:30		Patrick_5444	408							503	16	402	13	471	25	145	10	643	86	0	0	26	16	414	17	42810	470	-8	7	446	18	-63	95	680	62	123	4	176	37	491	11	224	34	151	4						
11-May-12	65	37.93	12:13:16		stroh 5434	NA	164	2		run1			115	6	5	6	-75	21	134	8	16	29	135	103	12	12	9	4	16205	195	21	7	-68	17	156	56	430	40	64	2	-25	30	0	1	-143	29	126	3						
11-May-12	65	30.9	12:05:42		Patrick_5444	4315							234	8	17	5	1	18	715	17	47	34	0	0	-2	7	2	4	2266	59	79	8	-41	13	-12	20	265	29	9	1	-3	28	-1	1	8	26	185	4						
11-May-12	66	36.92	12:15:17		stroh 5434	NA	164	2		run2			119	6	-11	6	-30	22	139	8	60	32	202	110	-1	12	1	4	16386	203	15	7	-32	18	116	57	452	42	66	3	38	32	-1	1	-105	30	126	3						
11-May-12	66	30.8	12:07:34		Patrick_5444	5861							48	5	37	4	72	21	124	11	995	79	0	0	980	33	2	4	13513	186	3081	51	65	15	160	53	157	37	24	2	-33	35	3	1	51	31	110	3						
11-May-12	67	36.94	12:16:49		stroh 5434	NA	164	2		run3			121	6	-4	6	-49	21	131	8	-17	29	137	106	5	12	1	4	16335	200	9	6	-73	18	215	58	362	38	67	3	-28	31	0	1	-161	29	119	3						
11-May-12	67	29.96	12:08:47		Patrick_5444	BLANK							3	2	0	1	-10	18	0	3	23	28	0	0	-1	5	2	3	128	17	-6	4	20	13	-16	8	-4	15	-1	1	-2	28	0	1	68	25	2	1						
11-May-12	68	36.79	12:18:43		stroh 5434	NA	224	2		run1			128	7	8	6	-25	22	164	9	-6	29	186	110	-5	12	-5	3	15987	198	19	7	-28	18	145	57	373	39	62	3	16	32	4	2	-104	30	120	3						
11-May-12	69	36.82	12:20:28		stroh 5434	NA	224	2		run2			151	7	-4	6	-55	22	171	9	-20	29	142	111	26	13	0	4	16038	201	23	7	-18	18	66	57	511	43	66	3	16	32	-1	1	-84	30	121	3						
11-May-12	70	38.01	12:21:56		stroh 5434	NA	224	2		run3			141	7	2	6	-14	21	158	8	19	30	84	103	-4	11	1	4	15690	193	21	7	-56	18	137	55	434	40	66	3	30	31	-1	1	-175	29	125	3						
11-May-12	71	37.54	12:24:26		stroh 5434	NA	City Street Sweepings			City Street Sweepings run1			182	8	-1	7	-80	23	255	11	20	32	-22	103	-24	11	0	4	14760	202	24	7	-16	19	154	59	305	39	43	2	-10	34	1	1	-122	32	279	6						
11-May-12	72	37.54	12:26:42		stroh 5434	NA	City Street Sweepings			City Street Sweepings run2			182	8	-2	7	-9	24	269	12	8	32	24	107	-15	12	6	4	14968	206	40	8	5	20	203	60	335	41	44	2	3	34	-2	1	-78	32	285	6						
11-May-12	73	38.65	12:28:25		stroh 5434	NA	City Street Sweepings			City Street Sweepings run3			190	8	-13	7	-23	23	278	12	6	31	24	108	1	12	-4	4	14951	203	27	8	-12	19	114	59	330	40	39	2	37	33	0	1	-125	32	282	6						
11-May-12	74	38.2	12:32:09		stroh 5434	2711							1175	22	51	18	-2	24	317	13	78	40	422	132	-21	14	5	5	25033	299	98	10	61	20	209	77	459	49	106	4	70	36	-2	2	-162	33	261	5						
11-May-12	75	37.44	12:33:41		stroh 5434	2710							5830	73	516	45	3	26	7113	92	-62	50	93	169	-28	20	61	11	38954	472	2981	56	14	23	27	105	9993	203	131	5	91	39	-2	4	-87	37	361	7						
11-May-12	76	37.96	12:35:15		stroh 5434	4315							271	9	-7	8	-72	21	784	18	77	27	109	76	14	9	-1	4	2319	62	107	9	45	17	31	23	501	37	12	1	71	31	1	1	-104	29	305	5						
11-May-12	77	38.57	12:36:23		stroh 5434	5861							42	5	51	5	32	23	134	11	626	52	-142	90	1037	36	-3	4	14852	197	2509	43	84	19	230	58	166	37	22	2	17	34	1	1	-134	32	117	3						
11-May-12	78	37.91	12:37:35		stroh 5434	408							517	16	531	18	420	27	155	10	515	60	391	158	-21	18	375	15	45426	489	13	8	501	23	271	105	613	61	116	4	146	37	516	11	-114	35	165	4						
11-May-12	79	37.23	12:38:46		stroh 5434	Blank							-1	2	-1	2	-37	19	-1	3	-21	19	-106	54	-15	6	-4	3	-10	13	-7	5	-3	16	-12	8	-36	13	2	1	21	28	1	1	-117	26	3	1						
21-May-12	2	30.82	10:38:51		Patrick_5444	BLANK							4	2	-1	1	4	17	8	3	-17	25	0	0	8	6	-2	3	93	15	-9	4	-8	12	-2	8	-19	13	2	1	-21	27	1	1	27	25	2	1						
21-May-12	3	30.02	10:40:14		Patrick_5444	408							496	16	397	12	425	23	138	9	856	87	0	0	-20	15	391	16	42208	448	0	7	416	18	300	93	635	59	118	4	59	35	508	10	119	32	161	4						
21-May-12	4	31.58	10:43:28		Patrick_5444	5861							42	5	42	4	53	20	138	11	823	71	0	0	959	32	0	4	13048	178	3027	49	45	15	60	50	174	36	23	2	7	33	5	1	17	30	109	3						
21-May-12	5	31.84	10:45:18		Patrick_5444	4315							220	8	26	5	2	18	749	17	30	33	0	0	0	7	1	4	2432	62	91	9	-54	13	-12	21	541	37	12	1	46	28	-1	1	10	25	185	4						
21-May-12	6	53.43	10:49:15	PASS																																																			
21-May-12	7	31.48	10:51:11		Patrick_5444	5861							45	5	50	4	82	20	134	11	813	71	0	0	1007	33	2	4	13070	178	2769	46	62	15	78	50	172	36	19	2	0	33	3	1	49	30	111	3						
21-May-12	8	31.8	10:53:17		Patrick_5444	4315							224	8	16	5	24	18	757	17	63	35	0	0	1	7	-2	4	2409	61	98	9	-58	13	-11	21	350	31	9	1	-8	28	-1	1	-12	25	164	4						
21-May-12	9	53.71	10:57:53	PASS																																																			
21-May-12	10	30.99	11:01:54		Patrick_5444	BLANK							4	2	-1	1	16	17	8	3	-6	26	0	0	1	5	-2	3	105	15	-4	4	-2	12	-14	8	1	14	-1	1	10	27	0	1	24	24	-1	1						
21-May-12	11	29.18	11:03:55		Patrick_5444	408							493	16	404	12	438	24	129	9	692	84	0	0	-18	15	396	16	41500	448	20	8	361	18	215	93	579	58	121	4	72	35	475	10	155	32	155	4						
21-May-12	12	31.5	11:06:31		Patrick_5444	5861							51	5	34	4	80	20	127	11	957	74	0	0	890	31	5	4	13733	183	3183	50	48	15	81	51	105	34	20	2	18	33	2	1	88	30	104	3						
21-May-12	13	31.8	11:08:58		Patrick_5444	4315							252	8	9	5	10	17	803	18	-3	31	0	0	-9	6	2	4	2470	62	88	8	-60	13	-12	21	548	36	11	1	37	27	0	1	48	25	213	4						
21-May-12	14	30.81	11:10:43		Patrick_5444	2711							1149	21	107	12	15	21	325	13	61	54	0	0	5	13	21	6	24876	289	95	10	28	15	85	69	436	46	115	4	-16	34	5	2	124	31	239	5						
21-May-12	15	29.18	11:11:49		Patrick_5444	2710							5573	70	604	31	70	23	7094	92	-53	74	0	0	21	18	89	13	37932	458	3170	59	-34	18	-237	95	9659	197	125	5	24	39	-2	4	94	35	327	7						
21-May-12	16	29.14	11:14:35		Patrick_5444	2710							5652	71	600	31	80	24	7246	94	14	76	0	0	64	20	71	13	37870	457	3005	57	-11	18	-185	95	9605	197	137	5	87	39	-2	4	158	35	334	7						
21-May-12	17	28.35	11:15:47		Patrick_5444	2710							5693	72	614	32	43	24	7275	95	43	78	0	0	18	18	84	13	38054	466	2976	58	-19	18	-235	96	9760	202	140	5	16	39	-12	4	116	36	334	7						
21-May-12	18	30.4	11:18:14		Patrick_5444	NA	174	3					1007	18	8	10	24	19	811	19	45	46	0	0	20	11	3	5	15731	197	57	9	-20	14	74	53	767	49	68	3	18	31	-4	2	122	28	122	3						
21-May-12	19	29.63	11:19:44		Patrick_5444	NA	174	3					936	18	19	10	36	19	798	19	97	46	0	0	30	11	6	5	15006	189	40	8	-43	14	51	51	730	48	61	3	10	31	0	2	67	28	118	3						
21-May-12	20	30.01	11:21:19		Patrick_5444	NA	174	3					913	17	18	10	59	19	794	19	32	44	0	0	23	11	9	5	15291	190	46	8	-32	14	110	52	643	45	67	3	2	30	-1	2	43	28	122	3						
21-May-12	21	30.3	11:23:28		Patrick_5444	NA	174	2					301	10	12	6	17	19	297	11	-40	40	0	0	13	11	9	4	14090	178	16	7	-22	14	123	50	604	43	71	3	11	30	-2	1	62	28	112	3						
21-May-12	22	30.09	11:24:41		Patrick_5444	NA	174	2					309	10	1	6	53	19	336	12	-6	41	0	0	21	11	2	4	14054	177	19	7	-22	14	92	49	614	44	75	3	69	30	0	1	95	28	111	3						
21-May-12	23	30.08	11:26:15		Patrick_5444	NA	174	2					304	9	9	6	22	18	309	11	24	43	0	0	5	10	1	4	14328	178	20	7	-26	14	71	49	569	42	70	3	-64	30	-2	1	39	27	108	3						
21-May-12	24	29.47	11:28:10		Patrick_5444	NA	174	1					324	10	17	6	21	19	334	12	12	42	0	0	24	11	-1	4	14028	180	36	7	-43	14	24	49	568	43	68	3	43	30	1	1	62	27	108	3						
21-May-12	25	30.29	11:29:24		Patrick_5444	NA	174	1					361	10	2	6	26	19	347	12	62	45	0	0	23	11	0	4	14812	184	27	7	-13	14	16	50	639	45	72	3	-33	30	0	1	25	27	106	3						
21-May-12	26	30.01	11:30:31		Patrick_5444	NA	174	1					358	10	12	6	70	19	361	12	30	44	0	0	5	10	0	4	14559	181	38	7	-6	14	61	50	678	45	75	3	-21	30	-2	1	82	28	116	3						
21-May-12	27	30.27	11:36:20		Patrick_5444	NA	301			sunset park			84	5	8	3	48	18	77	6	37	40	0	0	13	9	-5	3	10966	146	10	6	-59	13	55	42	384	36	66	2	-38	29	1	1	59	26	109	3						
21-May-12	28	30.45	11:38:06		Patrick_5444	NA	301			sunset park			90	5	5	3	49	18	69	6	-5	38	0	0	18	10	0	4	11199	148	11	6	-41	13	63	43	275	33	58	2	-30	29	-1	1	93	26	109	3						
21-May-12	29	30.22	11:39:30		Patrick_5444	NA	301			sunset park			94	6	7	3	37	18	73	6	-5	38	0	0	20	10	1	4	11122	148	21	6	-51	13	77	43	379	35	67	3	-33	29	-3	1	61	26	109	3						
21-May-12	30	29.06	11:43:39		Patrick_5444	NA	302			billy porter			54	5	3	3	8	18	52	5	4	40	0	0	9	10	-1	4	12283	160	8	6	-46	13	100	46	534	41	64	2	-28	29	-2	1	108	27	99	3						
21-May-12	31	30.15	11:44:50		Patrick_5444	NA	302			billy porter			48	4	9	3	26	18	59	6	52	41	0	0	26	10	3	4	12340	160	5	6	-15	13	50	45	472	39	72	3	-18	29	-1	1	63	27	98	3						
21-May-12	32	29.59	11:46:00		Patrick_5444	NA	302			billy porter			47	4	6	3	10	19	74	6	55	43	0	0	29	11	4	4	12717	166	15	6	-36	14	38	47	483	40	66	3	107	30	0	1	10	27	95	3						
21-May-12	33	29.6	11:48:35		Patrick_5444	NA	176	4		billy porter			283	9	14	6	1	19	203	10	7	42	0	0	23	11	-1	4	14657	186	44	8	-13	14	25	50	216	34	65	3	-12	31	0	1	77	28	123	3						
21-May-12	34	30.15	11:49:45		Patrick_5444	NA	176	4		billy porter			296	9	14	6	65	19	194	9	74	45	0	0	10	10	6	4	14742	183	48	8	-31	14	71	50	265	35	64	3	18	31	0	1	51	28	127	3						
21-May-12	35	30.44	11:51:13		Patrick_5444	NA	176	4		billy porter			322	10	8	6	3	19	219	10	24	42	0	0	3	10	5	4	14824	185	45	8	-12	14	104	51	204	33	67	3	10	31	0	1	66	28	121	3						
21-May-12	36	30.3	11:54:17		Patrick_5444	NA	103	2	3				363	10	9	6	10	19	342	12	5	41	0	0	11	10	10	5	15677	192	94	9	-33	14	22	51	422	39	64	3	-21	30	1	1	50	28	110	3						
21-May-12	37	30.14	11:55:53		Patrick_5444	NA	103	2	3				362	11	0	6	11	19	324	12	3	42	0	0	44	11	0	4	14965	187	77	9	3	14	-42	50	463	41	67	3	7	31	-1	1	145	28	106	3						
21-May-12	38	29.39	11:59:14		Patrick_5444	NA	103	2	3				355	11	13	6	47	19	342	12	49	46	0	0	32	11	5	4	15641	194	76	9	-32	14	-35	51	538	43	66	3	-14	31	-3	1	47	28	110	3						
21-May-12	39	29.69	12:01:50		Patrick_5444	NA	300			west city park			36	4	9	3	30	19	77	6	107	43	0	0	12	10	4	4	10854	150	20	7	-26	14	100	44	379	37	69	3	-5	30	3	1	52	28	104	3						
21-May-12	40	30.44	12:03:03		Patrick_5444	NA	300			west city park			40	4	4	3	62	19	82	6	-3	38	0	0	15	10	12	4	11344	152	10	6	0	14	47	43	430	37	67	3	23	30	-2	1	76	27	103	3						
21-May-12	41	30.9	12:04:26		Patrick_5444	NA	300			west city park			51	5	1	3	47	18	85	6	-20	37	0	0	10	9	-4	3	10944	148	12	6	-40	13	23	42	411	37	66	3	-45	30	0	1	46	27	102	3						
21-May-12	42	31.84	12:08:34		Patrick_5444	4315							237	8	14	5	-7	18	787	18	7	33	0	0	3	7	1	4	2557	63	87	8	-34	13	-30	21	499	36	11	1	16	28	0	1	79	25	195	4						
21-May-12	43	30.78	12:10:06		Patrick_5444	2711							1199	22	90	12	66	21	370	14	96	57	0	0	42	14	25	6	25352	296	91	10	43	15	53	70	476	48	126	4	30	35	2	2	142	32	246	5						
21-May-12	44	53.48	13:12:32	PASS																																																			
21-May-12	45	29.04	13:14:20		Patrick_5444	2710							5746	72	639	32	125	24	7314	95	-99	72	0	0	-5	18	62	13	38106	462	3050	58	-56	18	-162	96	9595	198	147	5	79	39	-1	4	237	35	341	7						
21-May-12	46	29.98	13:15:44		Patrick_5444	408							488	16	413	12	536	24	151	10	834	88	0	0	-27	16	416	17	42386	454	9	8	415	18	373	95	612	59	122	4	49	35	497	10	218	32	156	4						
21-May-12	47	30.58	13:17:38		Patrick_5444	NA	105	Y2	3				695	15	20	9	83	19	549	16	9	46	0	0	-3	12	12	5	20817	241	86	9	-23	14	176	62	573	46	62	3	38	31	0	2	94	28	129	4						
21-May-12	48	30.56	13:18:48		Patrick_5444	NA	105	Y2	3				682	15	29	9	68	19	544	16	28	47	0	0	22	12	4	5	19738	232	70	9	-22	14	173	60	503	44	62	3	-36	31	0	2	118	28	136	4						
21-May-12	49	30.45	13:20:05		Patrick_5444	NA	105	Y2	3				744	16	16	9	24	19	560	16	125	52	0	0	1	12	7	5	21176	244	74	9	-54	14	153	62	475	44	62	3	-5	31	1	2	108	28	137	4						
21-May-12	50	30.58	13:23:28		Patrick_5444	NA	105	Y2	3	precision check			700	15	20	9	65	19	600	17	62	49	0	0	-10	12	0	5	20782	242	90	10	-12	14	284	63	498	44	61	3	-22	31	2	2	172	29	136	4						
21-May-12	51	30.59	13:24:18		Patrick_5444	NA	105	Y2	3	precision check			697	15	29	9	17	19	570	16	89	49	0	0	33	12	6	5	21350	247	81	9	-32	14	18	61	503	45	64	3	8	31	-5	1	103	28	126	4						
21-May-12	52	30.77	13:25:08		Patrick_5444	NA	105	Y2	3	precision check			671	15	48	9	73	19	534	16	57	49	0	0	9	12	15	5	20855	241	98	10	-38	14	175	62	412	42	65	3	38	31	2	2	124	28	130	4						
21-May-12	53	30.78	13:25:58		Patrick_5444	NA	105	Y2	3	precision check			694	15	22	9	80	19	586	16	66	50	0	0	12	12	3	5	20880	242	95	10	-48	14	171	62	511	45	62	3	19	31	0	2	129	28	138	4						
21-May-12	54	30.04	13:26:48		Patrick_5444	NA	105	Y2	3	precision check			717	16	27	9	93	20	578	17	-24	47	0	0	25	13	12	5	21621	252	80	9	-39	14	149	64	412	43	63	3	-9	32	0	2	144	29	130	4						
21-May-12	55	30.7	13:27:38		Patrick_5444	NA	105	Y2	3	precision check			687	15	20	9	48	19	560	16	8	46	0	0	0	12	3	5	20615	238	79	9	-63	14	241	62	419	42	55	2	-14	31	-1	2	102	28	131	4						
21-May-12	56	30.77	13:28:28		Patrick_5444	NA	105	Y2	3	precision check			712	15	21	9	57	19	586	16	7	47	0	0	4	12	2	5	21656	250	83	9	-11	14	149	63	467	44	62	3	-51	31	0	2	133	29	132	4						
21-May-12	57	30.47	13:35:25		Patrick_5444	NA	105	Y1	2				624	14	26	8	71	19	482	15	77	49	0	0	6	12	7	5	22121	249	66	9	-32	14	201	63	379	41	62	3	12	31	1	2	135	28	126	3						
21-May-12	58	29.69	13:37:15		Patrick_5444	NA	105	Y1	2				560	14	16	8	39	19	442	14	52	48	0	0	33	12	6	5	21275	246	44	8	-44	14	48	61	308	40	66	3	-13	31	1	2	151	28	128	4						
21-May-12	59	29.89	13:38:36		Patrick_5444	NA	105	Y1	2				585	14	23	8	70	19	459	15	49	49	0	0	13	12	2	4	21182	246	53	8	-42	14	135	62	418	43	65	3	16	31	-2	1	191	28	124	4						
21-May-12	60	30.12	13:41:41		Patrick_5444	NA	105	Y1	3				504	13	17	7	59	19	374	13	109	49	0	0	-6	11	6	5	19277	225	61	8	-21	14	124	58	430	42	67	3	17	31	2	2	155	28	128	3						
21-May-12	61	30.61	13:43:23		Patrick_5444	NA	105	Y1	3				519	13	21	8	42	19	432	14	-52	44	0	0	5	11	-5	4	20899	241	42	8	-20	14	72	61	433	42	64	3	-13	31	-1	1	112	29	123	3						
21-May-12	62	30.75	13:45:18		Patrick_5444	NA	105	Y1	3				529	13	16	8	24	19	425	14	29	47	0	0	14	12	1	4	20588	238	66	9	-43	14	49	60	451	43	65	3	6	31	-2	1	90	28	130	4						
21-May-12	63	30.58	13:47:15		Patrick_5444	NA	105	Y1	1				563	13	15	8	54	19	483	15	-4	45	0	0	5	11	5	5	20709	237	46	8	-39	14	119	60	375	40	63	3	-2	30	-1	1	105	28	130	4						
21-May-12	64	30.39	13:48:39		Patrick_5444	NA	105	Y1	1				570	13	19	8	62	19	504	15	-50	43	0	0	14	12	-5	4	20694	234	61	8	-75	14	110	59	294	38	64	3	-1	30	-1	1	137	27	127	3						
21-May-12	65	29.65	13:50:03		Patrick_5444	NA	105	Y1	1				551	13	23	8	70	19	477	15	10	46	0	0	1	12	4	5	20885	241	74	9	-62	14	241	62	386	41	61	3	-29	30	-2	1	106	28	133	4						
21-May-12	66	30.56	13:52:08		Patrick_5444	NA	105	Y2	1				524	13	11	7	62	19	456	14	70	46	0	0	16	12	1	4	17132	208	45	8	-7	14	161	56	450	41	61	3	24	31	1	2	180	28	137	4						
21-May-12	67	30.72	13:53:36		Patrick_5444	NA	105	Y2	1				521	13	16	7	73	19	464	14	29	45	0	0	5	11	7	5	16931	205	49	8	-56	14	197	55	447	41	62	3	42	30	0	2	162	27	140	4						
21-May-12	68	30.49	13:55:07		Patrick_5444	NA	105	Y2	1				519	13	17	8	91	19	468	14	39	46	0	0	1	11	2	4	17823	214	64	9	-42	14	173	57	491	43	61	3	-28	31	-3	1	151	28	140	4						
21-May-12	69	30.86	13:56:54		Patrick_5444	NA	105	Y2	2				650	15	14	8	70	19	506	15	46	49	0	0	7	12	2	5	20407	238	72	9	-35	14	166	61	460	43	61	3	-28	31	-2	2	128	28	148	4						
21-May-12	70	29.81	13:58:34		Patrick_5444	NA	105	Y2	2				692	15	19	9	54	20	608	17	115	52	0	0	8	12	0	5	20738	245	81	9	-23	14	140	62	435	44	58	3	-61	32	-2	2	182	29	151	4						
21-May-12	71	30.73	13:59:55		Patrick_5444	NA	105	Y2	2				690	15	19	9	71	19	577	16	-9	46	0	0	12	12	2	5	20618	240	75	9	-38	14	167	62	444	43	58	3	29	31	-2	2	141	28	146	4						
21-May-12	72	30.59	14:03:52		Patrick_5444	NA	139	1					222	8	10	5	48	19	224	10	15	42	0	0	19	10	0	4	14395	180	16	7	-37	14	-13	48	493	41	58	2	33	30	1	1	158	27	125	3						
21-May-12	73	29.93	14:05:06		Patrick_5444	NA	139	1					221	8	13	5	64	18	230	10	84	44	0	0	16	10	-1	4	14747	180	31	7	-14	13	78	49	542	41	61	2	33	29	0	1	122	27	133	3						
21-May-12	74	29.73	14:06:10		Patrick_5444	NA	139	1					244	9	-1	5	84	19	204	10	-2	42	0	0	8	10	0	4	14446	182	30	7	-33	14	58	50	432	39	59	2	7	30	1	1	124	27	122	3						
21-May-12	75	30.42	14:08:24		Patrick_5444	NA	139	2					176	7	12	4	72	18	200	9	-8	39	0	0	12	10	4	4	13044	165	13	6	-60	13	33	46	497	39	57	2	-28	29	-2	1	119	26	110	3						
21-May-12	76	30.31	14:09:45		Patrick_5444	NA	139	2					151	7	13	4	52	18	195	9	66	43	0	0	8	10	7	4	13391	169	20	7	-54	13	122	48	459	39	58	2	16	29	-1	1	144	27	114	3						
21-May-12	77	30.38	14:12:39		Patrick_5444	NA	139	2					152	7	10	4	61	18	218	10	-4	40	0	0	-2	9	3	4	13189	167	23	7	-37	13	55	47	415	38	65	3	5	29	0	1	146	27	114	3						
21-May-12	78	30.32	14:14:44		Patrick_5444	NA	139	3					393	11	21	7	65	19	457	14	3	42	0	0	23	11	1	4	14469	183	39	8	-39	14	62	50	501	41	64	3	56	30	0	1	191	28	121	3						
21-May-12	79	30.45	14:15:52		Patrick_5444	NA	139	3					408	11	16	7	47	19	474	14	68	44	0	0	16	11	1	4	13920	177	46	8	-28	14	91	49	389	38	61	3	-31	30	0	1	125	27	122	3						
21-May-12	80	30.24	14:17:13		Patrick_5444	NA	139	3					381	11	16	6	69	19	473	14	94	46	0	0	7	11	5	4	14097	180	44	8	-18	14	133	50	434	40	63	3	-24	31	3	2	158	28	127	3						
21-May-12	81	30.22	14:19:15		Patrick_5444	NA	139	3					384	11	10	6	55	19	456	14	-10	42	0	0	22	11	4	4	14112	178	41	8	-16	14	14	49	498	41	62	3	-22	30	-1	1	143	28	118	3						
21-May-12	82	30.53	14:22:32		Patrick_5444	NA	139	3					393	11	11	6	23	19	411	13	94	45	0	0	17	11	7	4	13676	175	40	8	1	14	83	49	440	40	57	2	17	30	1	1	123	28	121	3						
21-May-12	83	30.1	14:23:37		Patrick_5444	NA	139	3					432	11	0	7	95	19	461	14	125	46	0	0	13	10	3	4	14045	178	31	7	-5	14	5	48	440	40	64	3	19	30	2	2	191	28	120	3						
21-May-12	84	30.32	14:24:58		Patrick_5444	NA	139	3					417	11	11	7	55	19	473	14	23	43	0	0	0	10	11	5	13977	178	38	7	-17	14	50	49	533	42	60	3	-1	30	-4	1	157	28	121	3						
21-May-12	85	30.56	14:27:13		Patrick_5444	NA	139	3					396	11	4	6	44	19	444	14	18	42	0	0	1	10	5	4	13824	176	49	8	-31	14	111	49	487	41	61	3	-15	30	1	1	119	27	116	3						
21-May-12	86	30.29	14:28:40		Patrick_5444	NA	139	3					422	11	17	7	49	19	455	14	-6	42	0	0	3	10	3	4	14360	182	45	8	-1	14	151	51	484	41	63	3	-6	31	-2	1	142	27	125	3						
21-May-12	87	30.39	14:29:57		Patrick_5444	NA	139	3					412	11	11	7	45	19	454	14	63	45	0	0	3	10	-1	4	14330	182	35	7	-9	14	84	50	455	40	58	2	-1	30	-2	1	153	28	121	3						
21-May-12	88	30.53	14:34:35		Patrick_5444	NA	127	1					687	15	18	9	71	20	928	21	24	47	0	0	22	12	1	5	20246	237	100	10	-3	14	87	60	398	42	56	3	-55	31	1	2	142	29	168	4						
21-May-12	89	30.24	14:35:44		Patrick_5444	NA	127	1					664	15	26	9	48	20	898	21	46	50	0	0	12	13	5	5	22134	260	98	10	-17	15	248	66	434	44	51	3	100	32	-3	2	143	29	178	4						
21-May-12	90	31.02	14:37:27		Patrick_5444	NA	127	1					681	15	21	9	78	20	846	20	21	49	0	0	3	12	3	5	21109	247	105	10	-16	14	191	63	385	42	53	3	17	32	-2	2	185	29	172	4						
21-May-12	91	29.55	14:39:25		Patrick_5444	NA	127	2					209	8	9	5	46	19	232	10	10	41	0	0	13	10	0	4	13497	174	15	7	-25	14	88	49	384	38	60	2	-7	30	-1	1	155	28	110	3						
21-May-12	92	30.36	14:40:30		Patrick_5444	NA	127	2					212	8	2	5	61	19	202	9	61	43	0	0	-3	10	-3	4	13281	169	29	7	-38	13	116	48	311	35	57	2	61	30	0	1	128	27	110	3						
21-May-12	93	29.51	14:41:42		Patrick_5444	NA	127	2					193	8	14	5	56	18	206	9	27	41	0	0	9	10	1	4	13274	170	29	7	-39	14	91	48	298	35	57	2	25	30	-1	1	115	27	105	3						
21-May-12	94	31.16	14:47:59		Patrick_5444	NA	103	1	1				1153	22	22	12	111	21	739	20	159	61	0	0	15	14	12	6	30640	345	158	12	16	15	171	79	481	50	47	3	-13	34	0	2	170	31	197	5						
21-May-12	95	31.24	14:49:13		Patrick_5444	NA	103	1	1				1125	21	22	12	64	21	830	21	69	55	0	0	30	14	12	6	28436	322	182	13	-19	15	89	75	380	46	44	2	38	33	1	2	246	31	189	5						
21-May-12	96	31.22	14:50:57		Patrick_5444	NA	103	1	1				1131	21	15	12	51	21	780	20	96	57	0	0	21	14	-4	5	27769	318	199	13	16	15	191	75	425	48	43	2	19	34	-1	2	156	31	180	4						
21-May-12	97	31.31	14:52:43		Patrick_5444	NA	103	1	2				1168	22	37	12	55	21	871	22	79	58	0	0	18	15	4	5	30367	343	183	13	-27	15	184	79	408	48	45	3	53	33	1	2	233	31	198	5						
21-May-12	98	31.25	14:54:32		Patrick_5444	NA	103	1	2				1172	22	35	12	106	21	936	23	66	57	0	0	14	15	17	6	29513	336	171	13	2	15	371	79	493	50	49	3	-60	34	-1	2	193	31	198	5						
21-May-12	99	31.35	14:56:52		Patrick_5444	NA	103	1	2				1200	22	49	12	19	21	829	21	-26	55	0	0	12	15	12	6	31825	358	211	14	9	16	317	82	422	49	44	3	-53	34	-4	2	167	31	197	5						
21-May-12	100	30.95	14:58:38		Patrick_5444	NA	103	1	2				1181	22	53	12	71	21	930	22	90	57	0	0	11	13	6	6	28792	325	188	13	10	15	54	75	426	48	45	3	-15	33	-4	2	180	30	184	4						
21-May-12	101	31.43	15:00:29		Patrick_5444	NA	103	1	2				1174	22	39	12	105	21	878	22	131	60	0	0	33	15	-8	5	30878	347	215	14	-8	15	176	79	337	47	42	2	1	34	-4	2	166	31	200	5						
21-May-12	102	30.99	15:02:29		Patrick_5444	NA	103	1	2				1216	22	33	12	40	21	895	22	33	56	0	0	23	15	5	6	29577	335	152	12	2	15	203	78	471	49	43	2	8	34	-3	2	174	31	191	5						
21-May-12	103	31.43	15:03:35		Patrick_5444	NA	103	1	2				1216	22	26	12	66	20	895	22	-29	51	0	0	22	14	4	5	28406	322	167	12	-32	15	105	75	341	45	43	2	2	33	-2	2	165	30	199	5						
21-May-12	104	31.31	15:06:45		Patrick_5444	NA	103	1	2				1220	23	22	12	97	21	874	22	202	64	0	0	47	16	-1	5	32567	366	149	12	35	16	42	81	462	51	45	3	34	35	-2	2	182	31	183	5						
21-May-12	105	31.3	15:07:59		Patrick_5444	NA	103	1	2				1202	22	39	12	45	21	938	22	46	54	0	0	10	14	5	5	27877	317	167	12	-19	15	203	75	469	48	45	3	-4	33	-2	2	172	30	181	4						
21-May-12	106	31.3	15:09:04		Patrick_5444	NA	103	1	2				1202	22	22	12	83	21	911	22	73	58	0	0	29	15	2	5	32392	363	175	13	9	16	104	81	392	49	43	3	-39	34	0	2	205	31	190	5						
21-May-12	107	31.07	15:10:52		Patrick_5444	NA	103	1	2				1215	22	29	12	79	21	905	22	77	57	0	0	27	15	7	6	30142	341	149	12	-16	15	133	78	483	50	47	3	62	34	0	2	239	31	199	5						
21-May-12	108	30.95	15:13:00		Patrick_5444	NA	103	1	3				1043	20	20	11	42	20	761	20	29	54	0	0	47	14	11	6	29520	329	145	12	7	15	3	75	410	47	47	3	-8	33	-1	2	138	30	174	4						
21-May-12	109	31.29	15:14:37		Patrick_5444	NA	103	1	3				1035	20	22	11	99	20	778	20	77	53	0	0	10	13	-1	5	25809	296	157	12	-3	15	125	71	394	45	52	3	41	33	-2	2	167	30	171	4						
21-May-12	110	30.98	15:16:19		Patrick_5444	NA	103	1	3				1126	21	33	12	53	20	769	20	102	57	0	0	100	16	-1	5	28461	320	156	12	-2	15	51	74	359	46	45	2	-4	33	-2	2	130	30	176	4						
21-May-12	111	29.84	15:18:08		Patrick_5444	NA	103	2	1				333	10	8	6	70	18	316	12	-17	41	0	0	12	10	5	4	15031	183	67	8	-11	14	67	50	464	40	62	2	-24	30	1	1	176	27	112	3						
21-May-12	112	30.34	15:19:22		Patrick_5444	NA	103	2	1				357	10	5	6	31	19	334	12	-19	41	0	0	6	10	10	5	15464	189	73	9	-27	14	45	51	449	40	60	2	-27	30	0	1	159	27	110	3						
21-May-12	113	29.82	15:20:54		Patrick_5444	NA	103	2	1				333	10	9	6	62	18	332	12	86	44	0	0	17	10	2	4	15251	184	93	9	-42	13	44	50	464	40	65	3	0	29	-1	1	89	27	110	3						
21-May-12	114	30.48	15:22:52		Patrick_5444	NA	103	2	2				330	10	4	6	63	18	280	11	2	42	0	0	18	11	6	4	15235	187	64	8	-32	14	81	51	441	40	62	3	-31	30	1	1	124	27	109	3						
21-May-12	115	30.41	15:24:10		Patrick_5444	NA	103	2	2				339	10	4	6	97	19	281	11	64	45	0	0	23	11	6	4	15314	189	56	8	-11	14	37	51	429	40	68	3	15	30	-2	1	122	27	107	3						
21-May-12	116	30.35	15:25:37		Patrick_5444	NA	103	2	2				325	10	17	6	114	19	276	11	109	47	0	0	21	11	-1	4	16220	197	44	8	-22	14	-23	52	486	41	64	3	-6	30	-1	1	153	28	110	3						
21-May-12	117	30.08	15:27:32		Patrick_5444	NA	103	3					495	12	23	7	80	19	472	14	65	45	0	0	12	11	7	5	18614	216	65	8	-10	14	114	56	370	39	70	3	-38	30	0	1	109	28	117	3						
21-May-12	118	30.71	15:28:59		Patrick_5444	NA	103	3					487	12	16	7	68	19	487	15	32	46	0	0	-3	11	12	5	19021	225	59	8	0	14	80	58	429	42	64	3	-1	31	-1	1	117	28	130	4						
21-May-12	119	30.16	15:30:07		Patrick_5444	NA	103	3					523	13	2	7	54	19	485	15	-2	45	0	0	39	12	-1	4	19355	225	52	8	-4	14	105	58	379	40	65	3	8	31	3	2	155	28	122	3						
21-May-12	120	30.57	15:32:33		Patrick_5444	NA	103	y2	1				692	15	-6	8	78	19	428	14	37	49	0	0	18	12	-1	4	22938	260	80	9	-11	14	106	64	356	41	64	3	8	31	-3	1	153	29	116	3						
21-May-12	121	30.3	15:33:49		Patrick_5444	NA	103	y2	1				719	15	4	9	46	20	450	14	146	53	0	0	5	12	-4	4	23331	263	85	9	-14	14	240	66	374	42	63	3	18	31	-3	1	160	29	118	3						
21-May-12	122	30.43	15:35:21		Patrick_5444	NA	103	y2	1				682	15	25	9	66	19	479	15	-19	47	0	0	28	13	4	5	22883	259	79	9	-1	14	81	64	361	41	64	3	7	31	-1	2	160	29	120	3						
21-May-12	123	30.75	15:37:11		Patrick_5444	NA	103	y2	2				400	11	9	7	38	19	261	11	50	46	0	0	19	12	2	4	18731	219	51	8	-39	14	161	57	359	39	61	3	0	31	1	1	169	28	111	3						
21-May-12	124	30.73	15:38:25		Patrick_5444	NA	103	y2	2				378	11	20	6	90	19	263	11	29	46	0	0	13	11	-4	4	18482	218	59	8	-45	14	176	58	434	41	62	3	-27	31	0	1	134	28	109	3						
21-May-12	125	30.76	15:39:54		Patrick_5444	NA	103	y2	2				390	11	5	6	65	19	242	11	19	45	0	0	-2	11	0	4	18275	218	62	8	-28	14	184	58	368	40	67	3	5	31	0	1	165	28	123	3						
21-May-12	126	30.63	15:42:11		Patrick_5444	NA	103	y2	2				397	11	9	7	70	19	288	11	60	45	0	0	16	11	-3	4	18127	215	51	8	-26	14	120	56	384	40	66	3	-22	31	-1	1	146	28	126	3						
21-May-12	127	29.71	15:43:31		Patrick_5444	NA	103	y2	2				399	11	-1	7	61	19	256	11	55	47	0	0	14	12	9	5	19386	229	50	8	-17	14	131	59	410	41	60	3	18	32	-1	1	201	29	126	4						
21-May-12	128	30.11	15:45:08		Patrick_5444	NA	103	y2	2				447	12	11	7	79	19	329	12	62	47	0	0	15	12	8	5	20600	236	62	8	-8	14	150	60	417	41	73	3	-5	31	0	1	151	28	124	3						
21-May-12	129	30.83	15:47:01		Patrick_5444	NA	103	y2	2				374	11	15	6	69	19	275	11	67	47	0	0	18	12	6	4	18841	222	43	8	-20	14	150	58	361	39	63	3	61	30	1	1	162	28	119	3						
21-May-12	130	30.71	15:49:38		Patrick_5444	NA	103	y2	2				408	11	6	7	-7	19	272	11	44	46	0	0	17	12	0	4	19157	226	39	8	-7	14	82	58	381	40	66	3	29	31	0	1	187	28	118	3						
21-May-12	131	30.73	15:50:48		Patrick_5444	NA	103	y2	2				379	11	8	6	28	19	274	11	60	46	0	0	8	11	-6	4	18515	218	53	8	-18	14	214	58	384	40	66	3	25	31	1	1	150	28	118	3						
21-May-12	132	30.6	15:51:57		Patrick_5444	NA	103	y2	2				382	11	14	6	54	18	245	10	-25	42	0	0	40	12	5	4	18327	215	57	8	-60	14	30	55	328	38	66	3	-11	30	-4	1	180	27	122	3						
21-May-12	133	30.58	15:53:10		Patrick_5444	NA	103	y2	2				395	11	11	6	77	19	279	11	49	46	0	0	5	11	2	4	18690	219	73	9	-28	14	113	57	387	40	62	3	11	30	-2	1	153	28	116	3						
21-May-12	134	30.79	15:54:44		Patrick_5444	NA	103	y2	3				582	14	9	8	57	19	369	13	79	50	0	0	3	12	17	5	21685	249	73	9	-32	14	226	64	437	43	58	3	43	31	-1	1	182	29	138	4						
21-May-12	135	30.71	15:56:07		Patrick_5444	NA	103	y2	3				613	14	11	8	95	19	403	14	26	47	0	0	33	13	-5	4	21907	250	95	10	-14	14	179	63	420	42	60	3	29	31	-1	1	176	28	137	4						
21-May-12	136	30.51	15:57:24		Patrick_5444	NA	103	y2	3				601	14	15	8	51	20	394	14	62	50	0	0	16	12	3	5	22437	257	86	9	0	14	118	64	354	41	61	3	-53	32	-1	2	190	29	139	4						
21-May-12	137	29.07	15:59:24		Patrick_5444	2710							5725	72	647	32	77	24	7296	95	-62	75	0	0	18	19	81	13	38324	465	3137	59	-29	18	-63	98	9380	196	141	5	13	39	-9	4	266	36	343	7						
21-May-12	138	30.84	16:00:25		Patrick_5444	2711							1175	22	87	12	86	21	320	13	-15	51	0	0	6	13	11	6	24746	290	110	11	22	15	173	71	431	46	114	4	64	35	4	2	177	32	249	5						

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
21-May-12	139	30.04	16:01:32		Patrick_5444	408							486	16	386	12	480	23	123	9	606	81	0	0	-24	15	404	16	42083	448	6	8	371	17	226	93	584	58	125	4	92	35	486	10	244	32	155	4						
21-May-12	140	31.75	16:02:40		Patrick_5444	4315							233	8	14	5	36	18	765	17	40	33	0	0	5	7	-3	4	2299	59	90	8	-57	13	-6	20	440	33	9	1	-5	27	1	1	62	25	166	4						
21-May-12	141	31.54	16:03:49		Patrick_5444	5861							57	5	39	4	94	21	134	11	976	76	0	0	916	31	0	4	13652	184	3253	51	69	15	158	52	207	38	21	2	38	33	4	1	142	30	114	3						
21-May-12	142	30.76	16:04:54		Patrick_5444	BLANK							1	2	-1	1	66	17	3	3	7	26	0	0	-3	5	1	3	113	16	-8	4	6	12	0	9	-11	14	0	1	-35	27	-1	1	101	25	0	1						
22-May-12	2	37.65	8:03:35		ndbuka_5434	4315							254	9	10	8	-18	21	843	19	4	25	272	86	0	8	1	4	2631	66	113	9	64	17	17	24	515	37	12	1	43	31	0	1	-70	29	285	5						
22-May-12	3	37.43	8:09:44		ndbuka_5434	5861							63	5	56	6	11	23	114	11	551	51	-127	92	1176	39	-2	4	13564	190	3030	50	35	19	29	55	160	37	24	2	29	35	2	1	-111	32	110	3						
22-May-12	4	37.44	8:11:53		ndbuka_5434	5861							52	5	53	6	25	23	136	11	651	54	14	95	1083	38	6	4	13946	193	2897	48	69	19	172	57	115	36	21	2	-11	35	2	1	-170	32	113	3						
22-May-12	5	37.31	8:15:07		ndbuka_5434	2586							442	13	-5	11	2	25	318	13	128	50	382	168	-2	20	-5	4	50247	539	59	10	18	21	577	113	667	63	47	3	41	36	-1	2	-54	34	90	3						
22-May-12	6	37.17	8:19:50		ndbuka_5434	2711							1177	22	83	19	7	24	335	13	-30	35	208	130	11	15	21	6	25455	305	99	11	84	20	155	78	453	49	115	4	44	36	5	2	-59	34	261	6						
22-May-12	7	37.39	8:21:40		ndbuka_5434	2710							5888	74	442	45	-7	27	7162	93	-85	50	277	175	7	21	67	12	39481	479	3056	57	35	23	-228	103	10238	207	129	5	72	40	5	4	-26	37	357	7						
22-May-12	8	36.42	8:23:35		ndbuka_5434	2710							5808	73	491	46	-48	27	7104	93	-3	54	405	180	-15	21	63	12	39346	482	2978	57	29	23	-106	105	10152	208	125	5	91	40	-3	4	-111	38	356	7						
22-May-12	9	37.43	8:25:37		ndbuka_5434	2710							5856	73	449	45	-2	27	7181	93	-66	50	67	169	12	21	59	11	39330	475	3074	57	21	23	-205	103	10376	208	135	5	19	40	-5	4	-94	37	359	7						
22-May-12	10	45.34	8:27:30	PASS																																																		
22-May-12	11	38.29	8:29:07		ndbuka_5434	5861							51	5	43	5	24	23	131	11	597	50	41	93	1078	36	11	4	13860	185	2777	45	31	19	157	55	74	33	18	2	9	33	2	1	-113	31	107	3						
22-May-12	12	37.74	8:30:49		ndbuka_5434	4315							281	9	-1	8	-29	21	813	18	-6	24	199	82	-20	7	-5	3	2504	64	83	8	49	17	17	23	597	39	10	1	-9	31	-1	1	-125	29	307	5						
22-May-12	13	36.74	8:33:32		ndbuka_5434	4315							282	9	10	8	-16	22	849	19	-13	24	216	83	-8	8	-2	4	2776	70	125	10	59	18	29	25	760	44	15	2	-17	32	1	1	-83	30	298	5						
22-May-12	14	37.37	8:35:33		ndbuka_5434	4315							253	9	3	8	-44	21	778	18	-5	24	119	79	-16	7	0	4	2545	67	107	9	-28	18	3	24	393	34	10	1	8	31	-1	1	-105	29	229	5						
22-May-12	15	38.28	8:37:11		ndbuka_5434	2586							431	13	-15	11	-11	24	304	13	169	50	157	157	43	21	-1	4	50204	528	66	10	-10	20	436	110	727	63	49	3	33	36	-1	2	-100	34	83	3						
22-May-12	16	37.09	8:39:04		ndbuka_5434	2711							1195	22	61	18	52	24	339	13	23	37	54	124	-3	15	5	5	25616	306	95	10	22	20	209	78	526	51	108	4	47	36	8	2	-44	34	252	5						
22-May-12	17	36.25	8:40:42		ndbuka_5434	2710							5772	73	543	46	9	27	7162	94	-48	52	194	175	-13	21	82	12	39416	485	2942	56	2	23	-154	105	10010	207	127	5	-48	41	3	4	-107	38	342	7						
22-May-12	18	37.45	8:43:10		ndbuka_5434	2710							5855	74	543	46	5	27	7367	96	14	55	242	175	5	22	85	12	40674	495	3095	58	82	23	-91	107	9840	204	139	5	27	41	7	5	-99	38	360	7						
22-May-12	19	37.43	8:44:38		ndbuka_5434	2710							5962	75	476	46	-46	28	7428	97	-20	54	280	178	-47	20	78	12	40033	491	3097	58	103	23	-95	107	10170	209	142	5	17	41	-3	4	-70	39	353	7						
22-May-12	20	36.94	8:46:24		ndbuka_5434	Blank							2	3	0	2	-2	20	-3	2	-67	16	-89	55	0	7	0	3	-18	13	-10	5	-34	16	0	8	-27	13	2	1	46	28	0	1	-74	26	5	1						
22-May-12	21	36.97	8:51:10		ndbuka_5434	NA	105	1					1147	21	-73	17	-13	23	940	22	-40	35	-52	120	12	16	9	5	29165	331	119	11	-12	20	265	82	484	49	50	3	3	34	-1	2	-17	32	172	4						
22-May-12	22	37.05	8:53:09		ndbuka_5434	NA	105	1					1102	21	-56	17	34	24	1001	23	58	39	55	125	-2	16	-2	5	29241	333	116	11	-7	20	291	83	462	49	55	3	21	34	0	2	-112	32	159	4						
22-May-12	23	37.04	8:54:24		ndbuka_5434	NA	105	1					1058	20	-29	16	-41	23	906	22	49	38	-27	118	19	16	-2	5	28024	320	103	10	-97	19	203	80	377	46	54	3	8	33	1	2	-72	32	166	4						
22-May-12	24	36.88	8:56:30		ndbuka_5434	NA	105	2					405	11	10	10	3	22	329	12	-20	30	281	115	-13	12	-2	4	17593	213	37	8	-27	18	221	61	459	42	61	3	2	31	-1	1	-117	30	114	3						
22-May-12	25	36.74	8:57:56		ndbuka_5434	NA	105	2					408	11	-7	10	-25	21	309	11	19	31	86	107	2	13	2	4	18115	214	36	7	-62	18	238	60	428	41	61	2	-24	31	0	1	-163	29	115	3						
22-May-12	26	37.83	8:59:49		ndbuka_5434	NA	105	2					399	11	-27	9	12	21	281	11	35	31	121	105	-14	12	-2	4	16969	201	48	8	-59	17	230	58	375	39	58	2	65	30	-1	1	-124	28	118	3						
22-May-12	27	37.66	9:02:08		ndbuka_5434	sample	105	2		QCI			407	11	-9	9	6	21	300	11	25	30	102	105	7	12	-8	3	17531	206	45	8	-21	17	216	58	506	42	60	2	38	31	0	1	-89	29	117	3						
22-May-12	28	36.51	9:03:03		ndbuka_5434	sample	105	2		QCI			410	11	-12	10	26	21	297	11	16	31	338	114	0	12	0	4	16741	201	32	7	-56	18	203	58	469	41	63	2	7	31	1	1	-84	29	113	3						
22-May-12	29	36.51	9:04:00		ndbuka_5434	sample	105	2		QCI			395	11	-15	9	-34	21	293	11	45	32	283	113	-16	12	9	4	17062	204	37	7	-46	18	294	59	405	40	66	3	37	31	0	1	-99	29	113	3						
22-May-12	30	37.7	9:04:53		ndbuka_5434	sample	105	2		QCI			389	11	-11	9	-59	21	299	11	24	30	186	105	0	11	-2	3	17011	199	37	7	-37	17	106	56	490	41	64	2	-6	30	-1	1	-126	28	118	3						
22-May-12	31	36.51	9:05:51		ndbuka_5434	sample	105	2		QCI			430	11	-20	10	-18	21	269	11	69	32	116	104	3	12	0	4	17124	203	33	7	-101	17	116	57	414	40	64	2	17	30	0	1	-119	28	114	3						
22-May-12	32	36.56	9:07:02		ndbuka_5434	sample	105	2		QCI			418	11	-27	10	15	21	288	11	5	30	125	106	-1	12	-2	4	17271	206	32	7	-47	18	80	57	489	42	61	2	30	31	1	2	-96	29	117	3						
22-May-12	33	36.61	9:07:58		ndbuka_5434	sample	105	2		QCI			380	11	2	9	-7	21	320	12	48	31	126	105	4	12	-1	4	17036	203	35	7	-71	17	209	58	466	41	61	2	36	31	1	1	-161	29	116	3						
22-May-12	34	36.58	9:09:30		ndbuka_5434	sample	105	3					1512	25	-60	19	-4	23	1721	31	29	37	45	128	9	15	-1	5	27632	313	111	11	-32	19	143	78	526	50	57	3	32	33	1	2	-63	31	134	4						
22-May-12	35	36.77	9:11:18		ndbuka_5434	sample	105	3					1595	26	-56	20	-5	23	1769	32	36	38	139	132	-19	16	-4	5	27511	315	107	11	-24	19	475	81	566	51	62	3	28	35	-2	2	-130	32	146	4						
22-May-12	36	36.65	9:17:21		ndbuka_5434	sample	105	3					1498	25	-60	19	-13	23	1671	30	-3	36	243	134	-26	15	-11	5	26976	309	101	10	-31	19	313	79	511	49	57	3	48	34	-3	2	-194	32	133	4						
22-May-12	37	36.85	9:29:26		ndbuka_5434	sample	105	2					419	11	-23	10	1	21	303	11	4	30	-23	105	8	12	-4	4	17494	211	30	7	-71	18	84	59	447	41	57	2	-4	31	1	2	-96	29	115	3						
22-May-12	38	36.94	9:40:20		ndbuka_5434	sample	105	2					385	11	-5	10	-44	21	306	12	-48	28	269	114	-13	12	1	4	17324	211	36	7	-48	18	130	59	438	41	58	2	2	31	1	2	-124	30	117	3						
22-May-12	39	36.83	9:42:10		ndbuka_5434	sample	105	2					408	11	-1	10	-31	21	301	11	92	34	130	107	2	12	-6	3	17923	213	35	7	-102	17	116	59	487	43	59	2	24	31	-2	1	-102	29	119	3						
22-May-12	40	38.21	9:44:15		ndbuka_5434	sample	105	2					416	11	-14	10	-36	21	290	11	53	32	38	106	-16	12	0	4	17506	212	40	8	-88	18	233	60	422	41	63	3	-10	31	2	2	-190	29	113	3						
22-May-12	41	37.07	9:45:23		ndbuka_5434	sample	105	2					396	11	-15	10	-2	21	301	12	26	31	39	107	-6	12	5	4	17532	214	37	8	-85	18	203	61	395	41	60	3	43	31	0	1	-155	29	119	3						
22-May-12	42	36.81	9:46:36		ndbuka_5434	sample	105	2					396	11	-10	10	-32	21	300	11	-20	29	96	108	3	12	-4	4	17140	208	37	7	-91	18	129	58	504	43	59	2	80	31	-2	1	-165	29	118	3						
22-May-12	43	36.83	9:48:42		ndbuka_5434	sample	105	2					402	11	-18	10	-29	22	298	11	28	31	149	112	15	13	0	4	17083	209	37	8	-33	18	180	59	449	42	64	3	34	31	2	2	-115	29	122	3						
22-May-12	44	38.14	9:52:04		ndbuka_5434	sample	148	1					184	8	-6	7	-13	22	187	9	7	30	254	112	13	12	-5	3	14841	191	29	7	-16	18	154	56	563	44	60	3	16	32	-1	1	-59	30	128	4						
22-May-12	45	37.03	9:53:20		ndbuka_5434	sample	148	1					193	8	-4	7	-29	22	199	10	1	31	357	116	16	13	-3	4	15428	200	34	8	-1	19	164	58	675	48	62	3	-11	33	4	2	-103	31	132	4						
22-May-12	46	38.15	9:54:36		ndbuka_5434	sample	148	1					193	8	-16	7	-21	22	178	9	-13	30	281	112	-12	11	-1	4	15287	195	35	7	-28	18	165	57	715	48	58	2	10	32	0	1	-106	30	132	4						
22-May-12	47	37.97	9:56:10		ndbuka_5434	sample	148	2					130	7	4	6	-38	21	119	7	-44	26	108	102	0	11	-4	3	12308	165	21	7	3	18	61	49	550	42	61	2	8	31	2	1	-119	30	116	3						
22-May-12	48	37.91	9:57:51		ndbuka_5434	sample	148	2					139	7	-11	6	-27	21	125	8	-24	26	13	98	-9	11	-2	3	11919	159	17	6	-32	17	171	49	407	37	58	2	-10	31	-1	1	-132	29	126	3						
22-May-12	49	36.88	9:59:15		ndbuka_5434	sample	148	2					130	7	-10	6	-20	21	121	8	18	29	112	103	4	11	-1	3	11859	162	24	7	-47	18	85	49	438	39	58	2	86	31	1	1	-82	29	124	3						
22-May-12	50	38.09	10:01:32		ndbuka_5434	sample	129	1					177	8	-8	7	-20	22	178	9	-36	28	88	106	-14	12	-1	4	15302	194	9	6	-70	18	226	57	557	44	60	2	29	31	-1	1	-91	30	143	4						
22-May-12	51	38.06	10:02:57		ndbuka_5434	sample	129	1					172	7	-3	7	6	21	159	8	30	30	211	106	-19	11	6	4	15009	188	32	7	-23	18	182	55	566	43	62	2	36	31	-1	1	-141	29	135	4						
22-May-12	52	37.14	10:04:27		ndbuka_5434	sample	129	1					180	8	-5	7	-67	22	171	9	42	33	364	116	-19	11	-6	3	15217	197	35	7	-15	18	170	57	638	47	64	3	-31	32	0	1	-77	30	144	4						
22-May-12	53	38.03	10:06:04		ndbuka_5434	sample	129	2					161	7	13	6	-35	21	148	8	-9	28	209	103	0	11	-1	3	12998	168	28	7	-67	17	134	50	519	41	60	2	-25	30	-1	1	-103	29	106	3						
22-May-12	54	36.88	10:07:31		ndbuka_5434	sample	129	2					169	7	0	7	-59	21	141	8	39	30	114	102	-3	11	-4	3	12678	168	20	7	-49	18	85	50	497	41	61	2	39	31	1	1	-114	29	109	3						
22-May-12	55	38	10:08:47		ndbuka_5434	sample	129	2					165	7	3	6	-24	21	143	8	12	28	127	101	-3	10	-5	3	12856	166	21	7	-77	17	70	49	529	41	61	2	24	30	0	1	-88	28	106	3						
22-May-12	56	37.12	10:10:07		ndbuka_5434	sample	176	2					257	9	-14	8	-39	21	209	10	53	31	149	105	4	11	-2	4	13156	173	30	7	-45	18	72	51	220	34	61	2	29	31	0	1	-94	29	128	3						
22-May-12	57	37.08	10:11:27		ndbuka_5434	sample	176	2					244	9	-7	8	-26	21	181	9	-21	27	-8	99	8	12	1	4	12873	172	21	7	-52	18	147	52	221	33	61	2	24	31	-3	1	-77	29	128	3						
22-May-12	58	37.97	10:12:40		ndbuka_5434	sample	176	2					251	9	-14	7	-13	21	184	9	3	28	73	97	-14	10	4	4	13079	169	42	7	-51	17	130	50	281	34	58	2	13	30	-5	1	-85	29	126	3						
22-May-12	59	36.83	10:13:56		ndbuka_5434	sample	106	2					198	8	-14	7	-28	21	159	8	15	29	45	101	1	11	-4	3	12181	164	30	7	-55	18	108	49	807	48	55	2	-11	31	0	1	-120	29	106	3						
22-May-12	60	37.92	10:15:24		ndbuka_5434	sample	106	2					210	8	-7	7	-4	21	177	9	20	28	48	99	0	11	-7	3	12046	161	11	6	-27	18	161	49	732	46	56	2	-7	31	1	1	-63	29	117	3						
22-May-12	61	36.89	10:17:15		ndbuka_5434	sample	106	2					212	8	-16	7	19	21	166	9	-18	27	103	104	9	11	2	4	12713	170	13	6	-73	18	101	50	710	46	52	2	-29	31	2	1	-127	29	112	3						
22-May-12	62	37.8	10:18:23		ndbuka_5434	sample	106	2					195	8	0	7	-70	21	165	8	-31	26	129	102	-5	10	-5	3	12073	161	25	7	-58	17	114	48	806	47	56	2	-12	30	-3	1	-155	29	116	3						
22-May-12	63	38.13	10:19:57		ndbuka_5434	sample	155	1					269	9	-14	8	-20	21	216	10	-14	29	87	108	-16	11	11	4	16198	201	33	7	-30	18	157	57	403	40	63	3	22	31	-1	1	-71	29	139	4						
22-May-12	64	36.89	10:21:19		ndbuka_5434	sample	155	1					250	9	2	8	-29	22	213	10	-23	29	41	107	7	13	3	4	16798	208	38	8	-15	18	188	59	380	40	65	3	-15	32	-1	1	-148	30	140	4						
22-May-12	65	36.94	10:22:37		ndbuka_5434	sample	155	1		Cancelled mid-run			263	9	3	8	-39	22	235	10	15	30	84	106	-14	12	3	4	15404	197	30	7	-29	18	200	57	436	41	62	3	-18	32	-1	1	-88	30	135	4						
22-May-12	66	36.77	10:24:57		ndbuka_5434	sample	155	2					189	8	9	7	-11	21	189	9	-31	27	158	103	-1	11	-1	4	12779	169	19	7	-44	18	68	50	429	39	62	2	34	31	-1	1	-77	29	113	3						
22-May-12	67	36.82	10:26:11		ndbuka_5434	sample	155	2					212	8	-7	7	-65	22	204	10	86	32	102	104	-2	11	-6	3	13116	174	18	7	-53	18	127	52	384	39	59	2	-14	32	0	1	-101	30	123	3						
22-May-12	68	36.89	10:27:50		ndbuka_5434	sample	155	2					208	8	-10	7	-38	21	215	10	-9	27	-2	100	5	11	-5	3	12710	169	35	7	-53	18	108	51	364	37	63	3	46	31	0	1	-152	30	115	3						
22-May-12	69	37.15	10:29:44		ndbuka_5434	sample	135	1					282	10	-2	8	-47	22	240	11	31	32	127	109	10	13	1	4	17226	214	37	8	-50	18	195	61	696	49	58	3	39	32	2	2	-156	30	150	4						
22-May-12	70	38.17	10:31:11		ndbuka_5434	sample	135	1					288	10	-4	9	-16	22	224	10	6	33	363	122	1	13	2	4	19529	234	27	7	-27	18	136	64	638	48	66	3	63	32	3	2	-90	30	165	4						
22-May-12	71	37.08	10:33:28		ndbuka_5434	sample	135	1					307	10	-23	9	-47	23	239	11	11	33	193	119	-6	13	-1	4	19462	239	36	8	-34	19	163	65	646	49	60	3	43	33	-2	1	-48	31	162	4						
22-May-12	72	36.95	10:35:08		ndbuka_5434	sample	135	2					135	7	-7	6	-41	21	133	8	-1	28	106	103	-6	11	1	4	12621	168	13	6	-53	18	94	50	593	43	65	3	40	31	0	1	-77	29	113	3						
22-May-12	73	37.2	10:36:23		ndbuka_5434	sample	135	2					132	7	5	6	-50	21	120	8	-41	27	194	105	6	12	2	4	12475	169	6	6	-80	18	201	52	618	44	63	3	7	31	1	1	-113	29	114	3						
22-May-12	74	36.93	10:39:10		ndbuka_5434	sample	135	2					128	7	1	6	-9	21	114	7	9	29	136	103	-4	11	8	4	12440	167	19	7	-30	18	71	50	618	44	56	2	-31	31	1	1	-60	29	117	3						
22-May-12	75	36.97	11:40:08		ndbuka_5434	sample	135	2					126	7	-3	6	-50	21	115	7	33	30	171	105	17	11	-6	3	12554	167	4	6	-68	18	98	50	541	42	64	3	6	30	0	1	-141	29	109	3						
22-May-12	76	44.85	13:15:28	PASS																																																		
22-May-12	77	38.51	13:18:53		ndbuka_5434	5861							53	5	48	6	17	24	124	11	751	57	-57	95	1167	39	4	4	15214	204	3040	50	81	20	50	58	172	39	20	2	36	35	6	2	-162	33	121	4						
22-May-12	78	37.59	13:20:24		ndbuka_5434	4315							236	9	24	8	-18	22	819	19	1	25	-34	72	-11	8	-6	3	2403	67	116	10	-97	18	-4	24	809	46	13	2	22	30	-1	1	-115	29	204	4						
22-May-12	79	37.48	13:22:02		ndbuka_5434	2586							421	13	-4	11	-38	25	289	13	76	48	365	164	19	21	5	5	48741	529	63	10	-46	21	481	112	618	62	51	3	37	36	-1	2	-116	34	81	3						
22-May-12	80	37.1	13:23:34		ndbuka_5434	2711							1227	23	29	19	8	25	351	14	41	39	117	127	-4	15	16	6	26213	315	113	11	65	20	215	80	455	50	111	4	10	37	5	2	-91	34	256	6						
22-May-12	81	38.4	13:25:42		ndbuka_5434	2711							1197	22	41	18	31	24	326	13	62	39	349	134	-16	15	18	6	25063	301	106	11	48	20	252	78	595	52	112	4	47	36	5	2	-121	34	262	5						
22-May-12	82	36.46	13:27:09		ndbuka_5434	2710							5900	75	465	46	-27	27	7238	95	10	55	220	175	-33	21	67	12	39015	483	2902	56	26	23	0	107	10279	211	135	5	28	40	-2	4	-66	38	354	7						
22-May-12	83	37.47	13:43:32		ndbuka_5434	2710							5884	74	422	46	-24	27	7336	95	-88	50	26	171	0	21	87	12	39132	479	3123	58	0	23	-54	105	10081	207	127	5	74	40	-4	4	-42	38	371	8						
22-May-12	84	36.96	13:44:52		ndbuka_5434	Blank							-1	2	-2	2	-43	20	4	3	-65	16	-72	57	1	7	-3	3	-19	13	-4	5	-19	16	-2	8	-28	13	0	1	59	28	-2	1	-117	26	4	1						
22-May-12	85	36.73	13:46:33		ndbuka_5434	sample	116	Y1	1				318	10	-11	9	-27	22	218	10	47	33	79	110	-3	13	7	4	18362	222	30	7	20	18	239	62	449	43	67	3	-18	32	2	2	-124	30	149	4						
22-May-12	86	37.05	13:48:04		ndbuka_5434	sample	116	Y1	1				338	11	-18	9	-15	22	230	10	-15	31	7	109	5	13	5	4	18877	231	37	8	-28	19	61	63	398	42	67	3	53	33	0	1	-103	31	147	4						
22-May-12	87	36.99	13:49:20		ndbuka_5434	sample	116	Y1	1				329	11	-5	9	34	23	228	10	26	33	176	117	-3	13	-2	4	18967	232	57	8	-5	19	169	64	479	44	72	3	-26	33	0	1	-142	31	146	4						
22-May-12	88	37.06	13:51:07		ndbuka_5434	sample	116	Y1	2				293	10	-15	8	-9	22	201	10	-38	29	115	110	-3	12	0	4	17685	218	17	7	-40	18	154	61	342	39	67	3	32	32	0	1	-122	30	156	4						
22-May-12	89	37.13	13:52:30		ndbuka_5434	sample	116	Y1	2				297	10	-15	9	-43	22	181	9	21	32	193	113	17	13	0	4	17911	221	41	8	-67	18	107	61	337	40	65	3	-4	31	0	1	-74	30	156	4						
22-May-12	90	38.17	13:53:54		ndbuka_5434	sample	116	Y1	2				265	9	2	8	-11	22	192	9	13	31	14	105	-8	12	8	4	17588	215	23	7	-14	18	176	60	389	40	68	3	12	32	-3	1	-152	30	161	4						
22-May-12	91	37.06	13:55:34		ndbuka_5434	sample	116	Y1	3				328	10	-4	9	-47	22	218	10	8	32	200	114	13	13	0	4	18603	227	41	8	-26	18	203	63	356	41	66	3	77	32	-1	1	-69	30	151	4						
22-May-12	92	38.08	13:57:11		ndbuka_5434	sample	116	Y1	3				335	10	-28	9	-12	22	218	10	95	34	130	110	37	13	1	4	18246	220	36	8	18	18	-7	59	401	41	69	3	-14	32	0	1	-72	30	150	4						
22-May-12	93	37	13:58:27		ndbuka_5434	sample	116	Y1	3				324	10	0	9	-7	22	216	10	-4	32	296	119	18	13	-1	4	19523	235	28	7	-31	18	126	64	385	42	69	3	73	33	1	2	-104	31	154	4						
22-May-12	94	37.04	13:59:55		ndbuka_5434	sample	116	Y2	1				227	9	-3	8	-27	22	157	9	85	35	247	114	3	13	0	4	17798	220	30	7	3	19	204	62	379	41	71	3	-6	32	-1	1	-92	31	156	4						
22-May-12	95	37.03	14:01:29		ndbuka_5434	sample	116	Y2	1				243	9	-8	8	-21	22	160	9	71	34	180	111	-1	13	0	4	18313	225	33	8	-23	18	161	62	244	38	71	3	-7	33	-2	1	-137	31	153	4						
22-May-12	96	37.1	14:02:41		ndbuka_5434	sample	116	Y2	1				242	9	-3	8	-14	23	169	9	9	32	262	117	-12	13	-4	4	18453	226	33	8	-33	18	294	64	364	41	61	3	-35	33	-2	1	-219	31	153	4						
22-May-12	97	36.96	14:04:17		ndbuka_5434	sample	116	Y2	1				229	9	-10	8	-50	22	159	9	37	32	115	109	-21	11	6	4	17440	215	31	7	-43	18	117	60	361	40	65	3	-26	32	0	1	-75	31	158	4						
22-May-12	98	37.12	14:05:52		ndbuka_5434	sample	116	Y2	2				173	8	-7	7	-66	22	127	8	-69	28	290	117	-1	13	-4	3	17879	221	21	7	5	19	196	62	300	38	66	3	5	33	2	1	-159	31	146	4						
22-May-12	99	37.99	14:10:48		ndbuka_5434	sample	116	Y2	2				184	8	-12	7	-35	22	104	7	-10	30	142	111	-5	12	-3	3	17436	213	18	7	-5	18	134	60	338	39	65	3	16	32	-1	1	-54	31	143	4						
22-May-12	100	37.03	14:16:21		ndbuka_5434	sample	116	Y2	2				175	8	-7	7	-26	22	119	8	60	34	245	117	11	13	2	4	18355	224	18	7	1	18	130	62	303	39	66	3	82	33	0	1	-125	31	144	4						
22-May-12	101	36.76	14:18:01		ndbuka_5434	sample	116	Y2	3				210	8	-5	7	-16	22	151	8	-48	28	288	113	17	12	-4	3	16087	202	19	7	7	18	33	56	436	41	67	3	-37	32	0	1	-122	30	143	4						
22-May-12	102	37.84	14:20:51		ndbuka_5434	sample	116	Y2	3				218	8	-19	7	-9	21	151	8	-5	29	48	106	-4	12	-1	3	15897	196	31	7	-30	18	145	56	412	40	62	2	18	31	2	1	-70	30	144	4						
22-May-12	103	38.04	14:23:01		ndbuka_5434	sample	116	Y2	3				202	8	-5	7	-25	22	146	8	64	32	86	107	34	13	1	4	15964	199	36	7	-28	18	112	56	490	42	66	3	0	32	0	1	-138	30	137	4						
22-May-12	104	38.19	14:24:49		ndbuka_5434	sample	146	1	1				390	11	-6	10	-29	22	352	13	25	34	106	116	16	14	2	4	23664	272	73	9	-37	19	167	71	476	46	61	3	-6	33	0	2	-120	31	146	4						
22-May-12	105	38.45	14:25:59		ndbuka_5434	sample	146	1	1				397	12	-12	10	-7	23	340	13	44	35	117	117	-1	14	6	4	22157	260	45	8	-40	19	193	69	443	45	60	3	14	33	-1	1	-115	31	149	4						
22-May-12	106	37.15	14:27:31		ndbuka_5434	sample	146	1	1				398	12	-6	10	-14	23	331	13	-9	33	149	122	-3	14	1	4	22383	267	60	9	-7	19	197	71	472	46	59	3	29	33	1	2	-101	31	144	4						
22-May-12	107	36.93	14:28:58		ndbuka_5434	sample	146	1	1				391	11	19	10	3	22	341	13	20	33	33	111	1	14	-1	4	21274	250	73	9	-16	19	274	68	538	46	55	2	-50	33	2	2	-152	31	146	4						
22-May-12	108	38.26	14:30:53		ndbuka_5434	sample	146	1	1				412	12	-5	10	-35	22	361	13	69	36	163	120	-6	14	2	4	22760	266	53	8	-34	19	317	71	570	48	58	3	22	33	0	2	-102	31	146	4						
22-May-12	109	37.26	14:32:13		ndbuka_5434	sample	146	1	1				382	11	7	10	-41	23	378	13	-12	33	64	116	2	14	-1	4	22566	266	56	9	0	19	142	70	390	44	63	3	12	33	-3	1	-70	31	146	4						
22-May-12	110	37.16	14:35:01		ndbuka_5434	sample	146	1	1	QCI			399	12	-9	10	-36	22	350	13	-5	33	226	121	4	13	5	4	21425	255	58	9	-43	19	102	67	433	44	59	3	14	33	-3	1	-103	31	141	4						
22-May-12	111	37.06	14:35:55		ndbuka_5434	sample	146	1	1	QCI			412	12	-18	10	4	22	350	13	-8	32	134	115	-5	14	4	4	21124	252	64	9	-42	19	314	69	491	45	63	3	50	32	-3	1	-124	31	139	4						
22-May-12	112	38.17	14:36:47		ndbuka_5434	sample	146	1	1	QCI			392	11	0	10	-35	22	353	13	41	34	177	115	7	14	5	4	20898	246	52	8	-41	18	256	67	436	43	59	3	5	32	0	1	-115	30	138	4						
22-May-12	113	38.31	14:37:45		ndbuka_5434	sample	146	1	1	QCI			407	12	-18	10	-27	22	350	13	64	35	145	113	-11	13	3	4	21326	248	69	9	-63	18	203	67	404	43	64	3	-5	32	1	2	-84	30	141	4						
22-May-12	114	38.25	14:38:48		ndbuka_5434	sample	146	1	1	QCI			395	11	3	10	-45	22	372	13	-16	32	145	112	-33	13	-4	4	21073	248	59	8	-15	19	349	68	458	44	63	3	-34	32	-1	1	-132	30	144	4						
22-May-12	115	37.09	14:39:50		ndbuka_5434	sample	146	1	1	QCI			399	12	-13	10	-38	22	361	13	21	34	81	117	-12	13	-7	4	21319	255	67	9	-39	19	195	68	399	43	62	3	-25	33	3	2	-123	31	146	4						
22-May-12	116	37.14	14:40:50		ndbuka_5434	sample	146	1	1	QCI			427	12	-25	10	-19	23	357	13	-24	32	107	116	-22	14	5	4	21612	257	55	9	6	19	367	71	454	45	61	3	32	33	-4	1	-124	31	146	4						
22-May-12	117	37.13	14:42:22		ndbuka_5434	sample	146	1	2				380	11	12	10	-20	22	340	13	-31	31	83	115	-16	14	1	4	21308	254	58	9	-50	19	358	70	527	46	59	3	-30	33	0	2	-98	31	139	4						
22-May-12	118	38.25	14:44:39		ndbuka_5434	sample	146	1	2				399	12	-6	10	-39	22	313	12	8	33	49	112	34	14	2	4	21273	252	65	9	-22	19	98	67	522	46	60	3	-32	32	0	2	-92	31	144	4						
22-May-12	119	37.1	14:45:54		ndbuka_5434	sample	146	1	2				380	11	2	10	-29	22	340	13	44	35	276	121	-15	13	-4	4	21408	254	51	8	-55	19	300	69	392	43	66	3	-28	33	1	2	-71	31	144	4						
22-May-12	120	37.12	14:47:50		ndbuka_5434	sample	146	1	3				386	11	-10	10	-28	23	317	12	26	34	0	112	16	14	-3	4	21769	258	62	9	-13	19	157	68	439	44	61	3	26	33	0	2	-112	31	150	4						
22-May-12	121	38.4	14:49:15		ndbuka_5434	sample	146	1	3				387	11	-3	10	-30	22	304	12	54	35	276	120	4	13	0	4	21358	251	79	9	-38	18	169	67	445	44	60	3	5	32	2	2	-119	31	133	4						
22-May-12	122	38.21	14:50:49		ndbuka_5434	sample	146	1	3				390	11	-9	10	-58	22	310	12	11	33	267	118	-9	13	-1	4	20772	243	62	8	-59	18	204	66	473	44	67	3	-12	32	2	2	-101	30	138	4						
22-May-12	123	36.95	14:53:24		ndbuka_5434	sample	146	Y1	1	front			369	11	1	10	-48	22	398	14	18	33	-10	112	-8	13	-1	4	20074	242	64	9	-20	19	197	66	545	46	67	3	-21	33	-1	1	-112	31	153	4						
22-May-12	124	37.11	14:54:45		ndbuka_5434	sample	146	Y1	1	front			347	11	14	10	-7	23	386	14	77	36	187	120	-8	13	-5	4	20047	243	77	9	-38	19	233	67	416	44	63	3	15	33	0	2	-131	31	151	4						
22-May-12	125	37.1	14:55:58		ndbuka_5434	sample	146	Y1	1	front			352	11	14	10	-29	23	378	13	17	33	83	112	4	14	4	4	19390	238	60	9	-7	19	219	66	498	45	67	3	-3	33	1	2	-145	31	144	4						
22-May-12	126	37.05	14:57:19		ndbuka_5434	sample	146	Y1	2	front			300	10	-25	9	-18	22	249	11	-20	32	192	119	25	14	-5	4	21364	255	33	8	-2	19	188	68	547	47	65	3	40	33	0	1	-149	31	146	4						
22-May-12	127	37.2	14:58:31		ndbuka_5434	sample	146	Y1	2	front			286	10	2	9	-38	22	286	12	58	35	220	119	-6	13	-3	4	20508	246	44	8	-11	19	201	67	526	46	70	3	22	32	-1	1	-95	31	144	4						
22-May-12	128	36.97	14:59:37		ndbuka_5434	sample	146	Y1	2	front			296	10	-8	9	-55	23	284	12	126	37	-28	112	9	14	3	4	20289	245	32	8	-14	19	237	67	495	46	64	3	24	33	3	2	-25	31	158	4						
22-May-12	129	38.14	15:01:28		ndbuka_5434	sample	146	Y1	3	front			305	10	-7	9	4	22	264	11	8	32	137	113	-8	12	-1	4	19793	236	42	8	-45	18	117	64	538	45	63	3	48	32	-3	1	-91	30	135	4						
22-May-12	130	37.21	15:05:06		ndbuka_5434	sample	146	Y1	3	front			289	10	-8	9	-56	22	264	11	-17	31	59	112	30	14	-2	4	20219	243	54	8	-38	19	123	65	423	43	65	3	-11	32	2	2	-78	31	141	4						
22-May-12	131	37.1	15:06:18		ndbuka_5434	sample	146	Y1	3	front			289	10	-6	9	-39	22	274	11	39	34	52	115	11	14	-1	4	20328	245	46	8	-3	19	139	66	545	47	68	3	-32	33	2	2	-166	31	143	4						
22-May-12	132	38.16	15:08:10		ndbuka_5434	sample	146	Y2	1	back			442	12	-15	10	-17	22	487	15	29	33	324	118	19	13	-4	4	17846	219	86	9	-33	18	136	61	371	41	62	3	15	32	1	2	-93	30	162	4						
22-May-12	133	36.75	15:09:38		ndbuka_5434	sample	146	Y2	1	back			424	12	-12	10	-14	22	486	15	44	33	168	112	10	13	8	4	18126	218	83	9	-43	18	183	61	411	41	61	3	1	31	1	2	-110	30	164	4						
22-May-12	134	36.81	15:10:56		ndbuka_5434	sample	146	Y2	1	back			442	12	0	10	2	22	460	14	-48	29	206	113	11	13	1	4	17813	218	69	9	-54	18	165	61	444	42	60	3	49	32	1	2	-181	30	161	4						
22-May-12	135	37.9	15:12:36		ndbuka_5434	sample	146	Y2	2	back			401	11	-15	10	-40	21	464	14	9	31	96	110	20	13	-1	4	18270	218	67	9	-49	18	178	61	375	40	64	3	-18	31	0	1	-88	30	159	4						
22-May-12	136	37.98	15:14:01		ndbuka_5434	sample	146	Y2	2	back			409	11	-10	10	-22	22	486	15	-6	30	89	109	22	13	2	4	18824	224	85	9	-30	18	73	61	439	42	64	3	29	31	0	1	-100	30	161	4						
22-May-12	137	36.9	15:15:53		ndbuka_5434	sample	146	Y2	2	back			400	12	-7	10	-18	22	469	15	55	34	149	114	14	13	-4	4	18051	223	75	9	-7	19	184	62	369	41	62	3	25	33	0	2	-129	31	161	4						
22-May-12	138	37.07	15:17:41		ndbuka_5434	sample	146	Y2	2	back			391	11	0	10	-2	22	467	15	-12	31	83	112	-19	13	1	4	18479	227	69	9	-22	19	347	65	470	44	66	3	4	33	0	2	-98	31	165	4						
22-May-12	139	36.97	15:18:51		ndbuka_5434	sample	146	Y2	2	back			376	11	3	10	15	22	456	14	20	32	167	113	15	13	0	4	18115	222	71	9	-23	18	216	62	453	43	64	3	6	32	1	2	-95	31	155	4						
22-May-12	140	36.93	15:20:05		ndbuka_5434	sample	146	Y2	2	back			411	12	-18	10	-30	22	461	15	16	33	231	119	2	13	-3	4	18787	229	58	8	18	19	222	64	432	43	61	3	23	32	-1	1	-104	31	165	4						
22-May-12	141	37.89	15:22:20		ndbuka_5434	sample	146	Y2	2	back			428	12	-23	10	-56	22	460	14	-24	30	181	112	22	13	0	4	18313	220	66	9	-18	18	91	60	359	40	65	3	20	31	-2	1	-70	30	153	4						
22-May-12	142	38.02	15:23:46		ndbuka_5434	sample	146	Y2	2	back			437	12	-41	10	-37	22	442	14	-5	31	198	114	17	13	2	4	18367	223	53	8	-24	18	131	62	414	42	60	3	3	32	5	2	-84	30	167	4						
22-May-12	143	37.04	15:25:06		ndbuka_5434	sample	146	Y2	2	back			406	12	0	10	2	22	497	15	13	32	-24	108	-5	12	0	4	18369	227	75	9	-60	19	109	63	403	42	62	3	-51	33	0	2	-139	31	163	4						
22-May-12	144	36.89	15:26:38		ndbuka_5434	sample	146	Y2	3	back			423	12	-19	10	-22	22	465	15	0	31	182	114	4	13	-8	3	18356	225	67	9	-63	18	257	63	322	40	59	3	-41	32	1	2	-138	30	147	4						
22-May-12	145	36.83	15:28:32		ndbuka_5434	sample	146	Y2	3	back			418	12	-7	10	-9	22	432	14	4	31	218	115	-1	13	3	4	17977	220	95	10	-19	18	188	62	323	39	64	3	8	32	0	2	-80	31	147	4						
22-May-12	146	36.77	15:30:14		ndbuka_5434	sample	146	Y2	3	back			404	11	-7	10	-12	22	447	14	-48	29	280	115	28	14	2	4	18216	220	68	9	-48	18	162	61	417	41	65	3	27	32	1	2	-131	30	139	4						
22-May-12	147	38.07	15:32:58		ndbuka_5434	sample	146	2	1				575	13	-8	11	-12	21	543	15	11	31	108	106	19	13	3	4	18645	221	106	10	-88	18	110	61	433	41	54	2	-4	31	0	2	-84	29	151	4						
22-May-12	148	36.95	15:38:40		ndbuka_5434	sample	146	2	1				588	14	-32	12	-41	22	557	16	32	32	-21	105	-12	13	0	4	19131	229	105	10	-66	18	206	63	400	42	58	3	6	31	-1	2	-157	29	148	4						
22-May-12	149	37.01	15:39:48		ndbuka_5434	sample	146	2	1				571	14	-21	12	7	22	533	16	11	32	183	112	-4	12	4	4	18223	222	108	10	-98	18	146	62	364	40	58	3	-32	31	2	2	-103	30	148	4						
22-May-12	150	36.99	15:41:40		ndbuka_5434	sample	146	2	2				480	13	-16	11	-4	22	506	15	5	32	105	110	6	13	-1	4	19114	232	86	9	-57	18	226	65	393	42	59	3	-37	32	-1	2	-119	31	153	4						
22-May-12	151	37.14	15:42:52		ndbuka_5434	sample	146	2	2				478	13	-2	11	-38	22	482	15	-7	31	61	111	-10	13	-4	4	18922	231	54	8	-71	18	185	64	377	41	59	3	36	32	-2	1	-115	31	154	4						
22-May-12	152	37.09	15:44:04		ndbuka_5434	sample	146	2	2				478	13	5	11	-69	22	477	15	-26	30	124	109	1	13	5	4	18778	227	94	9	-64	18	191	63	392	41	59	3	-17	31	-2	1	-125	30	151	4						
22-May-12	153	37	15:45:31		ndbuka_5434	sample	146	2	3				568	14	-29	11	-64	22	535	16	-16	31	105	109	8	13	4	4	19080	229	99	10	-61	18	207	63	390	41	57	2	1	31	-3	1	-106	30	141	4						
22-May-12	154	36.9	15:47:03		ndbuka_5434	sample	146	2	3				557	13	-7	11	-24	22	545	16	33	32	-40	103	14	13	-7	4	18616	223	104	10	-69	18	171	62	454	43	58	2	35	31	0	2	-112	29	142	4						
22-May-12	155	36.98	15:48:38		ndbuka_5434	sample	146	2	3				565	14	-19	11	-30	21	540	16	9	31	138	109	-14	12	-3	4	18607	224	101	10	-92	18	225	63	425	42	58	2	-4	31	-3	1	-67	29	146	4						
22-May-12	156	37.54	15:58:20		ndbuka_5434	5861							54	5	61	6	55	24	134	12	635	55	204	108	1172	40	-2	4	14712	204	2816	49	60	20	35	58	170	39	24	2	48	35	2	1	-71	34	117	4						
22-May-12	157	37.38	15:59:44		ndbuka_5434	2586							434	13	2	12	-41	25	306	13	162	51	83	158	6	21	-10	4	50332	544	58	10	3	21	536	114	697	64	47	3	45	36	0	2	-112	34	87	3						

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

In-Situ XRF Data

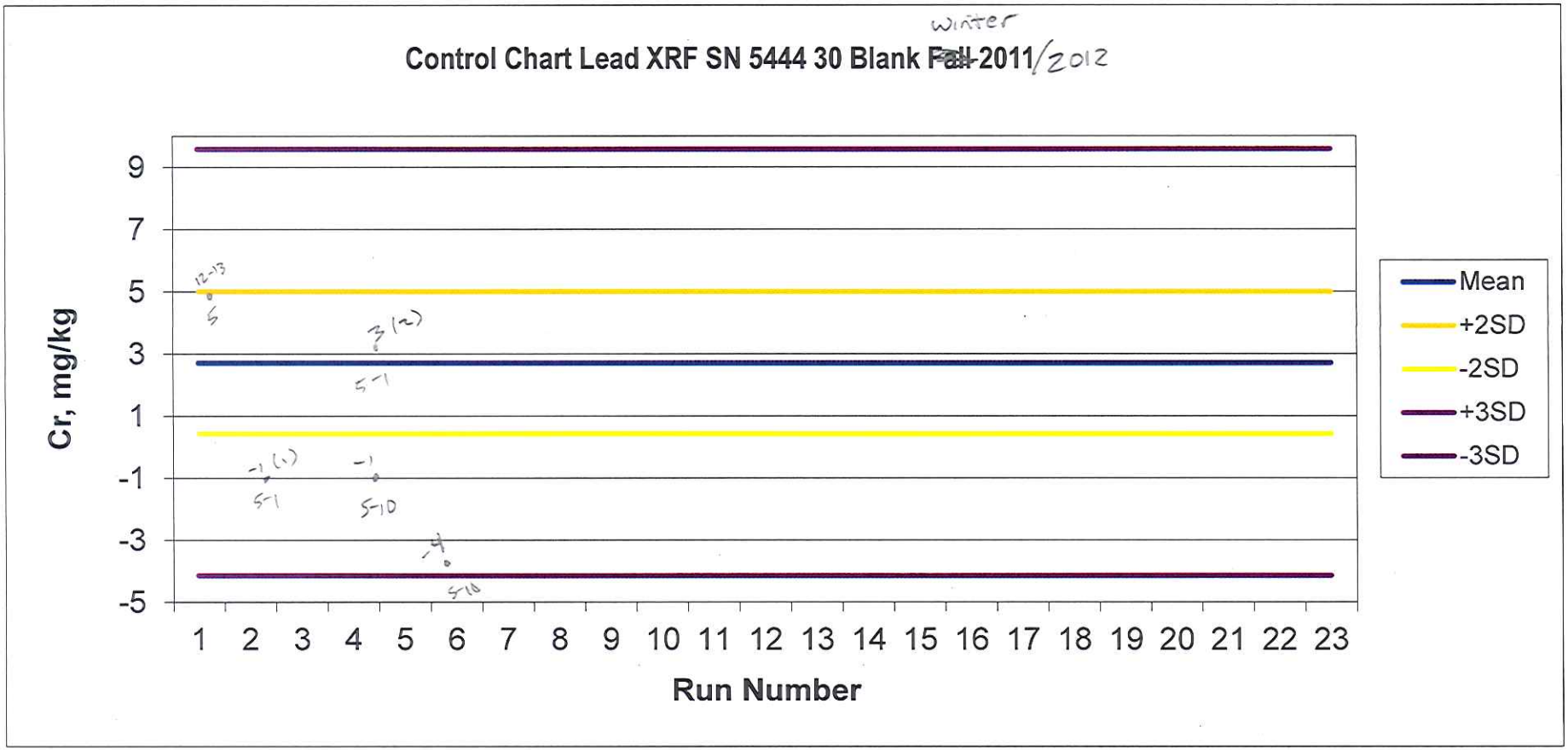
Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
22-May-12	158	37.58	16:01:08		ndbuka_5434	4315							228	8	5	7	-7	21	763	18	-14	23	-7	72	5	9	-3	3	2184	62	71	8	-93	17	43	24	503	37	11	1	44	29	-1	1	-122	28	168	4						
22-May-12	159	37.08	16:03:18		ndbuka_5434	2711							1203	23	66	19	42	25	331	13	-27	36	34	125	5	15	20	6	26806	320	103	11	61	20	85	80	489	50	117	4	61	37	7	2	-126	34	260	6						
22-May-12	160	37.39	16:04:43		ndbuka_5434	2711							1225	23	38	19	68	25	334	14	-26	36	57	128	-8	15	21	6	26103	315	100	11	53	20	149	79	351	47	114	4	13	37	1	2	-71	35	261	6						
22-May-12	161	37.54	16:06:05		ndbuka_5434	2710							5976	75	424	46	1	27	7297	95	14	55	382	180	-10	21	85	12	40038	488	3199	59	34	23	-196	105	10223	209	143	5	49	41	4	4	-137	38	355	7						
22-May-12	162	36.39	16:07:30		ndbuka_5434	2710							5747	73	474	45	-6	27	7132	94	75	56	163	171	-17	21	71	12	38866	478	2938	56	-15	23	-68	105	10298	210	134	5	-26	40	0	4	-148	38	361	7						
22-May-12	163	36.9	16:09:14		ndbuka_5434	Blank							-2	2	2	2	-53	20	4	3	-41	17	-182	51	-9	6	-1	3	1	14	-3	5	0	16	-10	8	-20	13	2	1	21	28	1	1	-115	27	4	1						
23-May-12	1	43.84	7:46:12	PASS																																																		
23-May-12	2	37.29	7:50:06		ndbuka_5434	5861							62	5	41	6	32	23	140	11	613	53	-46	94	1105	38	1	4	13827	192	2799	48	44	19	150	57	98	36	22	2	34	34	2	1	-59	32	114	4						
23-May-12	3	38.36	7:51:25		ndbuka_5434	5861							57	5	56	6	22	23	148	12	637	54	109	102	1079	38	4	4	15419	205	3174	51	48	19	94	59	156	38	18	2	17	35	5	2	-99	32	117	4						
23-May-12	4	38.24	7:53:27		ndbuka_5434	4315							231	8	-5	7	-49	21	774	18	21	25	4	72	-14	7	-2	3	2555	66	104	9	-48	17	-27	23	469	36	11	1	30	29	1	1	-129	28	182	4						
23-May-12	5	38.02	7:55:08		ndbuka_5434	2586							419	13	-8	11	-16	24	315	13	137	48	152	156	29	20	-5	4	49785	522	57	9	-31	20	481	110	629	60	44	2	66	35	-3	1	-38	33	85	3						
23-May-12	6	37.75	7:57:31		ndbuka_5434	2711							1192	22	58	18	42	24	331	13	-17	36	465	135	-5	15	7	5	25658	305	98	10	69	20	265	78	457	49	109	4	80	36	3	2	-117	34	262	5						
23-May-12	7	37.05	7:58:56		ndbuka_5434	2710							5782	73	538	45	37	27	7130	93	43	54	29	167	-29	20	86	12	38734	472	3060	57	53	23	-100	104	9900	203	134	5	49	40	5	4	-51	37	355	7						
23-May-12	8	36.96	8:01:33		ndbuka_5434	2710							5663	71	527	45	21	26	6973	90	-34	51	215	169	-11	21	65	11	38598	467	2978	56	54	23	-1	103	10096	204	124	4	10	39	3	4	-16	37	360	7						
23-May-12	9	37.61	8:03:03		ndbuka_5434	Blank							4	3	-3	2	-26	19	-2	2	-34	17	-134	52	-9	6	-2	3	-21	12	-9	5	-27	16	-6	8	-22	13	3	1	-19	28	1	1	-155	26	3	1						
23-May-12	10	37.75	8:05:02		ndbuka_5434	sample	103	Y1	1				465	12	-22	11	-45	22	391	13	-6	32	367	118	24	14	2	4	17714	219	65	9	1	19	165	61	565	46	63	3	-32	33	1	2	-92	31	130	4						
23-May-12	11	37.83	8:06:13		ndbuka_5434	sample	103	Y1	1				438	12	-21	10	-27	22	426	14	31	33	112	113	-12	12	-4	4	18461	226	78	9	-54	18	204	63	500	44	61	3	37	32	-1	1	-88	30	123	4						
23-May-12	12	37.65	8:07:23		ndbuka_5434	sample	103	Y1	1				452	12	-19	10	-20	22	429	14	-1	31	252	116	-20	12	2	4	17839	219	79	9	-41	18	314	63	527	45	60	3	-19	32	1	2	-58	31	127	4						
23-May-12	13	37.67	8:09:08		ndbuka_5434	sample	103	Y1	2				299	10	-16	8	-39	22	367	13	12	30	8	105	-2	12	7	4	16097	201	46	8	6	18	206	58	476	42	58	2	10	32	1	1	-114	30	114	3						
23-May-12	14	37.4	8:10:17		ndbuka_5434	sample	103	Y1	2				295	10	-10	8	6	22	387	13	64	32	-14	104	-2	12	0	4	15807	197	71	9	-12	18	214	57	500	43	67	3	-43	32	2	2	-69	30	114	3						
23-May-12	15	37.53	8:11:34		ndbuka_5434	sample	103	Y1	2				300	10	-10	8	-55	21	377	13	62	32	60	107	3	12	10	4	15739	196	60	8	-16	18	187	57	608	45	65	3	13	32	1	1	-115	30	115	3						
23-May-12	16	37.67	8:13:04		ndbuka_5434	sample	103	Y1	3				334	10	-11	9	-67	22	357	13	-31	29	162	110	-24	12	1	4	17082	210	47	8	-37	18	315	61	431	41	64	3	-50	32	-1	1	-51	30	122	3						
23-May-12	17	37.77	8:14:35		ndbuka_5434	sample	103	Y1	3				343	11	-6	9	-41	22	361	13	66	33	87	110	3	13	5	4	16619	207	55	8	7	18	226	60	511	44	61	3	17	32	-3	1	-74	30	118	3						
23-May-12	18	37.74	8:15:45		ndbuka_5434	sample	103	Y1	3				332	10	-22	9	-56	22	367	13	27	31	167	110	9	12	2	4	16387	204	66	9	-1	18	124	58	416	41	60	3	16	32	3	2	-79	30	117	3						
23-May-12	19	38.18	8:21:52		ndbuka_5434	sample	125	1	1				1205	22	-29	18	-46	24	702	19	-8	36	278	128	0	16	6	5	25514	303	138	12	-13	20	322	79	348	46	43	2	5	35	-2	2	-47	33	180	4						
23-May-12	20	38.15	8:23:11		ndbuka_5434	sample	125	1	1				1264	23	-77	18	-25	24	683	19	88	40	198	125	2	15	10	5	24501	295	145	12	33	20	211	76	340	46	41	2	-16	35	-2	2	-94	33	186	5						
23-May-12	21	38.1	8:25:48		ndbuka_5434	sample	125	1	1				1229	23	-36	18	28	24	700	19	-25	35	294	130	-1	15	4	5	24478	296	133	12	7	20	254	77	349	45	47	3	31	35	4	2	-62	33	178	5						
23-May-12	22	38.32	8:28:12		ndbuka_5434	sample	125	1	2				1196	22	-55	17	-45	23	639	18	72	38	96	120	-4	15	-5	4	24361	291	144	12	-10	20	182	75	251	42	45	2	4	34	0	2	-92	32	186	5						
23-May-12	23	38.18	8:29:30		ndbuka_5434	sample	125	1	2				1214	22	-48	18	-30	24	701	19	12	36	243	127	6	15	3	5	23472	285	154	12	-39	20	265	75	410	47	42	2	38	35	0	2	-102	32	184	5						
23-May-12	24	38.25	8:32:24		ndbuka_5434	sample	125	1	2				1166	22	-56	17	-10	24	659	18	5	36	243	125	25	16	-1	5	24191	290	154	12	4	20	142	75	298	44	43	2	31	35	-2	2	-90	33	184	5						
23-May-12	25	38.1	8:36:20		ndbuka_5434	sample	125	1	2				1199	22	-41	18	-40	24	772	20	68	39	128	121	-14	15	9	5	24246	293	120	11	-12	20	372	78	308	44	45	2	4	35	1	2	-85	33	174	4						
23-May-12	26	38.03	8:38:42		ndbuka_5434	sample	125	1	2				1157	22	-44	17	-51	24	656	19	-97	32	147	124	13	15	0	5	25177	301	138	12	10	20	154	77	362	45	46	3	16	35	-1	2	-97	33	185	5						
23-May-12	27	38.11	8:39:59		ndbuka_5434	sample	125	1	2				1138	22	-44	17	-18	24	713	19	82	40	164	124	-3	15	5	5	25334	303	149	12	21	20	254	78	356	46	43	2	-4	35	-1	2	-110	33	182	5						
23-May-12	28	37.85	8:41:35		ndbuka_5434	sample	125	1	3				1093	21	-21	17	-27	23	634	18	-48	33	12	118	3	16	7	5	24933	296	122	11	-9	20	358	78	359	45	46	2	-12	34	3	2	-88	33	182	4						
23-May-12	29	37.97	8:42:54		ndbuka_5434	sample	125	1	3				1131	21	-41	17	15	23	660	18	67	38	29	120	11	16	1	5	25622	302	132	11	-31	20	238	77	362	46	47	3	81	34	-2	2	-66	32	179	4						
23-May-12	30	37.17	8:44:06		ndbuka_5434	sample	125	1	3				1192	22	-53	18	-18	24	682	19	9	37	310	130	19	16	0	5	24521	293	145	12	65	20	392	78	481	49	45	2	-13	35	6	2	-129	33	181	5						
23-May-12	31	37.85	8:45:46		ndbuka_5434	sample	125	2	1				314	10	0	9	-16	21	222	10	-5	28	133	105	-4	11	-1	4	13571	177	23	7	-17	18	123	52	477	41	55	2	-23	31	0	1	-146	30	121	3						
23-May-12	32	37.5	8:46:54		ndbuka_5434	sample	125	2	1				333	10	-6	9	-11	21	214	10	9	29	271	108	-18	11	0	4	13457	174	39	7	-7	18	167	52	451	40	59	2	35	31	0	1	-143	29	125	3						
23-May-12	33	37.9	8:48:05		ndbuka_5434	sample	125	2	1				318	10	-9	9	-66	22	208	10	12	29	-108	96	3	12	2	4	13590	179	31	7	-19	18	127	53	397	39	57	2	30	32	1	1	-112	30	120	3						
23-May-12	34	36.98	8:49:39		ndbuka_5434	sample	125	2	2				328	10	-28	9	-19	22	221	10	10	29	30	102	-4	11	2	4	13394	178	35	7	-18	18	107	53	424	40	52	2	32	32	0	1	-103	30	123	3						
23-May-12	35	38.15	8:51:07		ndbuka_5434	sample	125	2	2				312	10	-12	9	-37	22	220	10	18	29	67	104	-15	11	-5	3	13601	178	26	7	-16	18	215	54	371	38	56	2	18	32	-1	1	-120	30	124	3						
23-May-12	36	37.59	8:52:47		ndbuka_5434	sample	125	2	2				308	10	1	9	-46	21	205	9	-23	28	210	105	5	11	2	4	13390	174	41	8	-25	18	105	52	409	39	54	2	-17	31	-1	1	-116	30	124	3						
23-May-12	37	37.52	8:54:25		ndbuka_5434	sample	125	2	3				312	10	4	9	-41	21	212	10	-8	28	117	103	2	12	11	4	13802	179	36	7	10	18	178	53	435	40	61	2	54	31	0	1	-107	30	126	3						
23-May-12	38	36.85	8:55:33		ndbuka_5434	sample	125	2	3				330	10	-15	9	-24	22	228	10	22	30	-22	100	-17	11	-1	4	13932	183	41	8	7	18	238	55	437	41	58	2	50	32	0	1	-88	30	122	3						
23-May-12	39	36.92	8:57:02		ndbuka_5434	sample	125	2	3				325	10	-3	9	-28	22	208	10	17	30	126	107	-19	11	0	4	13408	177	23	7	-5	18	178	53	411	39	57	2	45	31	1	1	-171	30	125	3						
23-May-12	40	37.78	8:59:46		ndbuka_5434	sample	125	Y1	1				620	14	-3	12	-57	22	365	13	1	32	277	119	-10	12	3	4	17511	218	80	9	-29	18	150	61	345	40	57	3	4	33	-5	1	-200	31	142	4						
23-May-12	41	37.05	9:02:00		ndbuka_5434	sample	125	Y1	1				659	15	-18	13	-30	22	341	13	1	31	151	112	5	13	4	4	17349	218	67	9	-45	19	160	61	375	41	53	2	-8	33	-3	2	-27	31	134	4						
23-May-12	42	37.99	9:03:12		ndbuka_5434	sample	125	Y1	1				587	14	-2	12	-15	22	353	13	-10	30	7	107	-11	12	-3	4	16887	213	60	9	-37	18	242	61	362	40	53	2	80	33	1	2	-139	31	135	4						
23-May-12	43	37.5	9:05:24		ndbuka_5434	sample	125	Y1	2				382	11	-12	9	-38	22	211	10	-10	28	40	102	27	12	-3	4	13964	180	38	7	9	18	39	52	292	36	58	2	-19	32	-2	1	-132	30	135	4						
23-May-12	44	37.96	9:06:58		ndbuka_5434	sample	125	Y1	2				368	11	-11	9	-29	22	206	10	53	32	190	111	-16	11	2	4	14106	187	39	8	-7	18	167	55	391	40	58	3	26	32	1	2	-81	31	132	4						
23-May-12	45	37.85	9:08:15		ndbuka_5434	sample	125	Y1	2				373	11	-8	9	-12	22	204	10	30	30	115	107	-18	11	2	4	13510	180	33	7	20	18	176	54	294	37	56	2	16	32	0	1	-72	30	133	4						
23-May-12	46	37.8	9:09:42		ndbuka_5434	sample	125	Y1	3				875	18	-8	15	-38	23	578	17	-15	32	199	117	26	14	-7	4	20395	247	114	10	16	19	176	67	472	45	45	2	60	33	-3	2	-73	31	162	4						
23-May-12	47	38.08	9:10:58		ndbuka_5434	sample	125	Y1	3				855	18	-24	15	-61	23	495	16	44	36	134	120	-1	14	2	5	22017	264	92	10	-33	19	225	71	446	46	55	3	-24	34	3	2	-130	32	149	4						
23-May-12	48	37.94	9:12:41		ndbuka_5434	sample	125	Y1	3				857	18	-22	15	-34	23	471	15	35	35	165	118	-6	14	8	5	21714	260	121	11	10	19	254	70	396	44	51	3	54	33	0	2	-103	31	161	4						
23-May-12	49	37.56	9:16:52		ndbuka_5434	sample	125	Y2	1				201	8	-8	7	-28	21	98	7	42	29	-58	97	-3	11	5	4	12189	162	31	7	-23	18	182	50	418	38	58	2	84	31	0	1	-163	29	110	3						
23-May-12	50	37.83	9:18:02		ndbuka_5434	sample	125	Y2	1				193	8	-1	7	-28	22	119	8	-13	27	145	105	-2	11	5	4	11762	161	16	7	-14	18	174	50	513	41	59	2	31	31	1	1	-91	30	111	3						
23-May-12	51	37.7	9:19:41		ndbuka_5434	sample	125	Y2	1				174	8	-4	7	-12	21	121	8	2	28	33	97	9	11	0	4	11972	162	19	7	-3	18	108	49	448	39	57	2	33	32	0	1	-88	29	105	3						
23-May-12	52	37.7	9:26:02		ndbuka_5434	sample	125	Y2	2				221	8	-10	7	-38	22	112	7	-10	28	129	105	-4	11	5	4	13497	177	14	7	-15	18	149	53	575	43	57	2	-3	32	0	1	-68	30	116	3						
23-May-12	53	37.86	9:27:07		ndbuka_5434	sample	125	Y2	2				212	8	0	7	-34	21	123	8	18	29	167	106	-22	11	-4	3	13342	175	22	7	-15	18	212	53	474	41	55	2	69	31	0	1	-88	29	105	3						
23-May-12	54	37.86	9:28:31		ndbuka_5434	sample	125	Y2	2				210	8	-1	7	-12	21	111	7	16	29	158	106	-4	11	-6	3	13380	176	18	7	-19	18	213	53	468	41	59	2	64	32	0	1	-152	30	109	3						
23-May-12	55	37.89	9:30:43		ndbuka_5434	sample	125	Y2	3				244	9	3	8	-14	21	141	8	1	28	73	102	3	11	4	4	13419	175	37	7	-1	18	110	52	500	41	56	2	32	32	0	1	-93	30	110	3						
23-May-12	56	37.85	9:32:48		ndbuka_5434	sample	125	Y2	3				247	9	-3	8	-32	21	136	8	7	29	121	105	2	11	0	4	13208	174	34	7	-37	18	148	52	403	39	58	2	76	31	0	1	-109	30	119	3						
23-May-12	57	37.43	9:34:21		ndbuka_5434	sample	125	Y2	3				259	9	-16	8	-39	21	132	8	-31	26	46	100	5	11	2	4	12736	165	14	6	-26	17	199	50	481	40	56	2	66	30	-1	1	-76	29	108	3						
23-May-12	58	37.8	9:35:51		ndbuka_5434	sample	125	Y3	1				290	10	-5	8	-42	22	252	11	-42	27	61	104	9	12	-2	4	13782	181	57	8	-52	18	109	53	418	40	53	2	35	32	1	1	-124	30	118	3						
23-May-12	59	37.85	9:37:05		ndbuka_5434	sample	125	Y3	1				326	10	-26	9	-59	22	246	11	104	34	112	109	2	12	-2	4	13597	181	44	8	9	18	212	55	404	40	55	2	-15	32	4	2	-75	31	124	4						
23-May-12	60	37.75	9:38:16		ndbuka_5434	sample	125	Y3	1				316	10	-22	9	-31	22	251	11	-6	28	-114	98	7	12	0	4	13477	178	33	7	-6	18	129	53	395	39	56	2	72	32	-1	1	-149	30	120	3						
23-May-12	61	37.61	9:39:41		ndbuka_5434	sample	125	Y3	2				271	9	-16	8	-11	21	246	10	4	29	172	107	-6	11	-2	4	13189	173	36	7	-14	18	100	51	443	40	62	2	15	31	1	1	-79	30	116	3						
23-May-12	62	37.74	9:41:20		ndbuka_5434	sample	125	Y3	2				270	9	-10	8	-69	21	244	10	33	30	-15	102	16	12	-3	4	13100	174	18	7	-24	18	86	51	443	40	57	2	30	32	0	1	-116	30	116	3						
23-May-12	63	37.82	9:42:36		ndbuka_5434	sample	125	Y3	2				267	9	-19	8	-4	21	213	10	18	29	39	101	2	11	3	4	13107	172	23	7	-35	18	43	50	492	41	57	2	-2	31	0	1	-159	29	116	3						
23-May-12	64	37.84	9:44:11		ndbuka_5434	sample	125	Y3	3				324	10	-14	9	-36	22	260	11	-28	28	150	107	-2	11	1	4	13265	176	32	7	15	18	46	51	361	38	58	2	4	32	0	1	-83	30	128	4						
23-May-12	65	37.7	9:45:16		ndbuka_5434	sample	125	Y3	3				315	10	-6	9	-25	22	265	11	31	31	191	110	28	12	0	4	13591	179	14	7	-7	18	103	53	434	40	55	2	52	32	1	1	-81	30	124	3						
23-May-12	66	38.05	9:46:52		ndbuka_5434	sample	125	Y3	3				325	10	-16	9	-35	22	234	10	-23	28	119	108	-17	11	1	4	12968	176	25	7	-1	18	186	53	480	42	53	2	4	32	2	2	-113	30	128	4						
23-May-12	67	38.36	9:51:45		ndbuka_5434	sample	115	1	1				2093	34	-60	25	-39	26	2217	40	42	50	332	161	47	23	-2	6	48940	557	284	17	-18	22	468	117	442	61	27	2	49	38	1	3	-111	36	223	6						
23-May-12	68	38.41	9:53:15		ndbuka_5434	sample	115	1	1				2268	36	-80	26	-14	26	2236	41	135	52	154	154	15	21	14	7	45706	527	349	18	-35	22	195	112	483	61	28	2	-28	38	8	3	-96	36	236	6						
23-May-12	69	38.43	9:54:35		ndbuka_5434	sample	115	1	1				2057	35	-109	26	13	27	2131	40	139	56	134	163	-25	22	3	7	57111	648	283	17	-38	22	399	128	407	64	28	2	83	39	1	3	10	37	232	6						
23-May-12	70	38.4	9:56:46		ndbuka_5434	sample	115	1	1	QCI			2001	34	-56	25	-20	26	2114	40	138	54	179	158	21	23	-4	6	50143	576	254	16	8	22	398	120	470	63	30	3	-9	39	0	3	-101	37	232	6						
23-May-12	71	38.46	9:58:24		ndbuka_5434	sample	115	1	1	QCI			1999	34	-56	25	5	26	2117	40	182	56	34	155	-4	22	-11	6	50867	587	256	17	-21	22	519	122	574	66	31	3	-38	39	-3	3	-84	38	245	6						
23-May-12	72	37.38	9:59:26		ndbuka_5434	sample	115	1	1	QCI			2090	36	-90	26	5	27	2150	41	-33	50	525	177	20	23	7	7	51681	606	276	17	30	23	288	123	406	63	27	3	61	40	3	3	-58	38	235	6						
23-May-12	73	38.53	10:00:31		ndbuka_5434	sample	115	1	1	QCI			2088	35	-56	26	33	27	2211	41	38	51	277	163	18	23	3	7	51372	595	270	17	-5	23	361	122	505	65	33	3	24	40	3	3	-70	38	244	6						
23-May-12	74	38.51	10:01:29		ndbuka_5434	sample	115	1	1	QCI			2068	35	-56	26	-16	27	2171	41	57	52	483	169	-40	21	-1	6	51187	591	260	17	13	23	436	122	462	63	28	2	92	39	-3	3	-78	37	251	6						
23-May-12	75	38.36	10:03:03		ndbuka_5434	sample	115	1	1	QCI			2050	34	-85	26	-9	27	2113	40	57	51	138	160	-45	21	4	7	50838	586	289	17	30	23	567	122	411	62	28	2	76	39	0	3	-47	37	240	6						
23-May-12	76	38.41	10:08:42		ndbuka_5434	sample	115	1	1	QCI			2006	34	-45	25	-39	26	2098	40	164	55	100	154	-28	21	-1	6	50351	579	272	17	4	22	339	120	446	63	29	2	43	39	6	3	-79	37	235	6						
23-May-12	77	38.27	10:12:53		ndbuka_5434	sample	115	1	2				2105	34	-89	25	-45	26	2237	41	102	51	127	153	13	22	7	7	48029	548	340	18	30	22	560	117	423	60	28	2	50	38	2	3	-84	36	226	6						
23-May-12	78	38.32	10:14:42		ndbuka_5434	sample	115	1	2				2018	34	-80	25	7	27	1965	38	258	60	455	170	7	23	1	6	54598	624	395	20	-16	22	495	126	600	68	29	3	124	39	-1	3	-30	37	229	6						
23-May-12	79	38.3	10:16:15		ndbuka_5434	sample	115	1	2				2045	34	-83	25	-21	26	2077	39	117	52	114	154	3	22	-1	6	49290	560	309	17	-28	22	408	117	561	64	25	2	13	39	0	3	-151	36	226	6						
23-May-12	80	38.24	10:17:42		ndbuka_5434	sample	115	1	3				2073	35	-84	26	10	26	2220	41	117	55	249	167	-15	22	3	7	55402	631	307	18	39	23	407	126	575	67	27	2	89	39	6	3	-75	37	235	6						
23-May-12	81	38.37	10:18:56		ndbuka_5434	sample	115	1	3				2186	36	-50	27	9	26	2196	41	68	52	28	154	-19	22	2	7	52094	597	325	18	-9	22	547	123	523	65	29	3	22	39	3	3	-26	36	223	6						
23-May-12	82	38.41	10:20:28		ndbuka_5434	sample	115	1	3				2195	36	-45	27	-28	26	2085	39	25	50	202	160	16	23	0	6	50964	584	302	18	-20	22	483	121	587	66	30	3	12	38	-2	3	-95	36	220	6						
23-May-12	83	37.86	10:26:15		ndbuka_5434	sample	115	2	1				478	12	-8	11	-49	22	388	13	5	31	-118	106	-11	12	-1	4	17968	220	66	9	-63	18	253	62	686	48	56	2	15	31	1	2	-170	30	116	3						
23-May-12	84	37.7	10:27:41		ndbuka_5434	sample	115	2	1				497	13	-28	11	-24	22	386	13	15	31	-49	103	-5	12	0	4	17644	214	41	8	-14	18	200	61	662	47	62	3	29	32	-1	1	-126	30	112	3						
23-May-12	85	37.87	10:28:56		ndbuka_5434	sample	115	2	1				488	12	-19	11	-76	22	382	13	26	31	19	107	-17	12	8	4	18338	220	46	8	-60	18	173	61	681	48	67	3	-8	31	1	2	-76	29	119	3						
23-May-12	86	37.93	10:30:31		ndbuka_5434	sample	115	2	2				463	12	-30	10	-65	21	324	12	-44	28	76	109	-10	12	3	4	18038	217	40	8	-71	18	174	61	619	46	60	2	38	31	0	2	-86	29	108	3						
23-May-12	87	37.77	10:31:58		ndbuka_5434	sample	115	2	2				466	12	-20	10	-14	22	336	12	-36	29	190	113	2	12	-5	4	18490	222	37	8	-94	18	96	61	700	48	67	3	16	31	3	2	-115	30	115	3						
23-May-12	88	37.79	10:33:31		ndbuka_5434	sample	115	2	2				481	12	-8	11	-9	22	316	12	-6	30	20	109	-8	13	-3	4	17861	218	41	8	-67	18	271	62	631	47	61	3	0	31	-1	1	-100	30	110	3						
23-May-12	89	38.04	10:34:58		ndbuka_5434	sample	115	2	3				506	13	-15	11	-23	21	388	13	-26	29	-27	107	-4	12	4	4	19406	227	42	8	-102	18	135	62	629	46	61	3	50	30	-2	1	-137	29	113	3						
23-May-12	90	37.84	10:36:23		ndbuka_5434	sample	115	2	3				491	12	-22	11	-29	21	342	12	-9	30	-18	104	-12	12	3	4	19267	227	47	8	-137	18	111	62	579	45	66	3	5	30	0	2	-135	29	106	3						
23-May-12	91	38.03	10:37:39		ndbuka_5434	sample	115	2	3				523	13	-34	11	-54	21	358	13	25	32	-53	108	3	13	-3	4	19547	233	49	8	-114	18	294	65	587	46	58	3	-67	30	0	2	-153	29	114	3						
23-May-12	92	38.57	10:38:56		ndbuka_5434	4315							258	9	9	8	-24	21	799	19	57	27	-6	75	-18	8	0	4	2556	68	92	9	-96	18	25	25	577	40	10	1	73	30	-1	1	-112	28	230	5						
23-May-12	93	38.16	10:40:47		ndbuka_5434	2586							434	13	-7	11	-72	25	309	13	257	54	485	168	6	20	5	5	50182	535	72	10	-5	21	494	112	707	64	51	3	3	36	-1	2	-130	34	86	3						
23-May-12	94	37.9	10:41:59		ndbuka_5434	2711							1178	22	69	18	-20	24	321	13	-1	37	411	136	-6	15	24	6	26231	312	103	11	57	20	275	80	462	49	110	4	-10	36	6	2	-106	34	254	5						
23-May-12	95	37.63	10:43:27		ndbuka_5434	Blank							-7	2	4	2	-54	20	-1	3	-45	17	-183	51	-10	6	-3	3	-24	12	-2	5	10	16	-1	8	-18	13	3	1	35	28	1	1	-164	26	4	1						
23-May-12	96	37.95	10:45:06		ndbuka_5434	sample	143	1					270	9	-16	8	-46	22	256	11	11	31	141	108	-4	13	-5	3	19228	228	27	7	-42	18	241	63	410	41	63	3	-22	31	1	1	-166	30	129	4						
23-May-12	97	37.93	10:46:22		ndbuka_5434	sample	143	1					261	9	-20	8	-60	22	210	10	-12	30	-29	105	-18	12	0	4	18560	224	37	8	-35	18	256	63	449	42	61	3	57	32	1	1	-193	30	127	4						
23-May-12	98	37.88	10:50:06		ndbuka_5434	sample	143	1					274	9	-10	8	-31	21	219	10	-53	28	231	113	-15	12	1	4	18548	221	26	7	-79	18	215	62	429	41	57	2	-42	31	0	1	-115	29	122	3						
23-May-12	99	38.18	10:51:29		ndbuka_5434	sample	143	2					435	12	-17	10	-53	23	287	12	38	33	98	112	-23	12	-6	4	17694	223	52	8	-17	19	229	63	307	40	58	3	-33	33	3	2	-151	31	147	4						
23-May-12	100	38.12	10:53:18		ndbuka_5434	sample	143	2					462	13	-32	11	-49	22	295	12	30	33	68	110	-10	13	-4	4	17872	224	55	8	-78	19	212	63	384	42	55	3	33	33	-1	1	-96	31	150	4						
23-May-12	101	38.21	10:54:39		ndbuka_5434	sample	143	2					438	12	-19	11	-25	23	300	12	17	33	238	116	-10	13	-3	4	17459	225	53	9	-32	19	219	64	291	40	57	3	3	34	3	2	-101	32	142	4						
23-May-12	102	37.83	10:56:26		ndbuka_5434	sample	143	3					364	11	-12	9	-12	22	307	12	-28	30	283	117	2	13	3	4	18532	225	52	8	-31	18	190	63	460	43	63	3	27	32	-1	1	-129	31	137	4						
23-May-12	103	37.85	10:57:37		ndbuka_5434	sample	143	3					356	11	-10	9	-42	22	303	12	2	31	27	109	2	13	1	4	17874	218	50	8	-47	18	205	61	424	42	61	3	-33	32	1	2	-144	30	135	4						
23-May-12	104	37.86	10:58:45		ndbuka_5434	sample	143	3					357	11	-11	9	-42	22	314	12	76	35	233	117	19	13	0	4	18391	225	41	8	-23	18	81	61	438	43	63	3	-12	32	1	2	-129	31	137	4						
23-May-12	105	38	11:02:00		ndbuka_5434	sample	106	1					531	14	-11	12	-49	23	494	16	4	34	119	119	9	14	-2	4	21939	264	83	10	-55	19	173	70	467	46	51	2	22	33	3	2	-111	32	166	4						
23-May-12	106	38.15	11:03:01		ndbuka_5434	sample	106	1					597	15	-36	12	24	23	431	14	-11	33	132	119	-7	14	-8	4	21552	261	83	10	3	19	306	71	589	49	48	2	34	34	0	2	-72	32	176	4						
23-May-12	107	38.37	11:04:12		ndbuka_5434	sample	106	1					554	14	-28	12	-53	24	416	15	36	36	-47	113	-35	13	0	4	21679	269	82	10	-18	20	298	73	534	49	54	3	48	35	-5	1	-92	33	165	4						
23-May-12	108	37.91	11:05:53		ndbuka_5434	sample	108	2					230	9	-13	7	-77	21	121	8	6	29	-90	101	11	12	2	4	13806	180	15	7	-64	18	95	53	830	49	59	2	39	31	-1	1	-97	29	133	4						
23-May-12	109	37.93	11:07:05		ndbuka_5434	sample	108	2					235	9	-3	8	-95	22	113	8	-60	27	148	109	26	12	1	4	13644	181	43	8	-23	18	31	52	786	49	65	3	23	32	-1	1	-127	30	136	4						
23-May-12	110	38.3	11:14:51		ndbuka_5434	sample	108	2					226	9	-12	8	-67	23	116	8	4	30	269	114	-10	12	-2	4	13339	183	21	7	-17	19	186	55	735	49	63	3	-67	33	1	1	-208	31	129	4						
23-May-12	111	37.87	11:17:28		ndbuka_5434	sample	109	2					298	10	-12	8	-57	21	168	9	25	29	-23	98	-5	11	1	4	11609	159	34	7	-52	18	176	49	514	41	63	3	-8	31	-1	1	-140	29	124	3						
23-May-12	112	37.36	11:18:53		ndbuka_5434	sample	109	2					281	9	-9	8	-51	21	168	8	47	29	-12	94	-6	10	0	4	11634	155	39	7	-37	17	87	47	382	37	62	2	7	30	1	1	-135	29	133	3						
23-May-12	113	37.88	11:19:59		ndbuka_5434	sample	109	2					285	9	2	8	-39	21	159	9	-22	27	287	108	-7	10	-7	3	12025	164	31	7	-64	18	84	49	383	38	59	2	2	31	1	1	-148	29	124	3						
23-May-12	114	38.16	11:21:26		ndbuka_5434	sample	111	2					166	7	-8	6	-24	22	136	8	1	28	-28	98	13	11	3	4	12120	165	13	6	-42	18	31	49	408	39	60	2	-36	31	0	1	-165	30	125	3						
23-May-12	115	37.63	11:23:03		ndbuka_5434	sample	111	2					176	7	-9	6	-14	21	141	8	8	28	162	104	3	11	5	4	12183	162	20	7	-26	18	119	49	312	35	61	2	17	31	1	1	-133	29	130	3						
23-May-12	116	38.02	11:24:11		ndbuka_5434	sample	111	2					165	7	-1	7	-41	21	137	8	45	30	-10	97	-6	11	-4	3	11425	159	21	7	-27	18	198	50	390	38	61	2	-9	31	-3	1	-125	29	126	3						
23-May-12	117	38.01	11:25:33		ndbuka_5434	sample	216	2					440	12	-13	10	-39	21	251	10	30	29	-80	96	-1	12	0	4	13131	172	37	7	-66	18	248	53	298	36	57	2	-13	30	0	1	-158	28	123	3						
23-May-12	118	37.84	11:26:55		ndbuka_5434	sample	216	2					457	12	-33	10	-61	21	247	10	-52	26	203	104	-19	10	1	4	13217	172	36	7	-84	17	156	52	470	40	51	2	56	30	0	1	-115	29	123	3						
23-May-12	119	37.8	11:28:06		ndbuka_5434	sample	216	2					431	12	-1	10	-29	21	230	10	33	29	-60	97	4	12	-1	4	12992	172	23	7	-76	18	178	52	320	36	51	2	59	30	1	1	-129	29	121	3						
23-May-12	120	37.74	11:30:47		ndbuka_5434	sample	133	Y1					159	7	-8	6	-12	22	125	8	0	28	75	104	14	12	2	4	13019	173	24	7	5	18	139	52	451	40	64	3	57	32	0	1	-145	30	114	3						
23-May-12	121	37.86	11:31:55		ndbuka_5434	sample	133	Y1					148	7	-1	6	-32	22	114	7	35	29	3	102	2	11	0	4	12351	165	27	7	-35	18	77	49	345	37	59	2	-2	31	1	1	-118	30	117	3						
23-May-12	122	37.84	11:32:53		ndbuka_5434	sample	133	Y1					150	7	-4	6	-65	22	122	8	11	29	83	105	-11	11	-4	3	13110	174	15	7	-11	18	96	51	322	37	60	2	-4	31	2	1	-115	30	122	3						
23-May-12	123	37.93	11:34:05		ndbuka_5434	sample	133	Y2					296	10	-13	8	-67	21	187	9	20	30	149	106	-6	11	-2	4	13938	181	28	7	-28	18	184	54	308	37	62	3	20	31	0	1	-132	29	125	3						
23-May-12	124	38.03	11:35:19		ndbuka_5434	sample	133	Y2					294	10	-4	8	-36	21	172	9	51	31	34	102	-17	11	1	4	14297	183	20	7	-50	18	223	55	389	39	61	2	53	30	1	1	-190	29	121	3						
23-May-12	125	38.32	11:36:34		ndbuka_5434	sample	133	Y2					298	10	4	9	-17	22	179	9	13	30	120	107	-32	11	-2	4	14825	191	39	8	-75	18	188	56	392	40	60	3	58	31	2	2	-129	29	131	4						
23-May-12	126	37.9	11:38:22		ndbuka_5434	sample	133	Y3					166	7	5	7	-69	22	216	10	-7	28	-90	98	-5	11	-4	3	13154	175	25	7	-19	18	164	53	391	39	57	2	9	31	0	1	-105	30	142	4						
23-May-12	127	38.01	11:39:22		ndbuka_5434	sample	133	Y3					155	7	5	6	-51	22	215	10	18	29	67	103	-27	10	0	4	13105	174	31	7	-25	18	215	53	482	41	62	3	67	31	1	1	-94	30	140	4						
23-May-12	128	38.11	11:40:43		ndbuka_5434	sample	133	Y3					196	8	-20	7	-41	22	232	10	88	33	209	108	7	12	1	4	13401	177	27	7	-37	18	158	53	333	38	61	3	50	31	-1	1	-136	30	137	4						
23-May-12	129	38.03	11:42:34		ndbuka_5434	sample	116	1	1				2002	32	-29	24	-8	25	1306	28	91	46	262	144	-16	19	-4	6	39557	445	243	15	-64	21	431	101	497	57	40	3	98	36	0	3	-82	34	217	5						
23-May-12	130	38.35	11:43:43		ndbuka_5434	sample	116	1	1				1958	31	-54	24	-27	24	1291	28	123	47	223	142	-9	19	5	6	38606	437	243	15	-46	21	426	100	545	58	44	3	57	36	6	3	-83	34	225	5						
23-May-12	131	38.85	11:45:12		ndbuka_5434	sample	116	1	1				1910	32	-82	24	-52	26	1277	29	-7	43	285	148	-26	18	-2	6	33553	412	247	16	-38	22	349	98	395	55	40	3	16	38	-4	2	-63	36	205	5						
23-May-12	132	38	11:47:09		ndbuka_5434	sample	116	1	2				1874	30	-38	23	-36	25	1326	28	106	46	333	145	5	18	24	7	37446	423	229	15	0	21	222	96	467	55	47	3	60	36	4	3	-127	34	226	5						
23-May-12	133	44.61	12:36:30	PASS																																																		
23-May-12	134	38.24	12:38:15		ndbuka_5434	5861							55	5	48	6	52	24	132	12	685	55	39	98	1205	40	4	4	13848	193	3050	50	58	20	98	57	159	38	18	2	128	35	3	2	-85	33	119	4						
23-May-12	135	37.58	12:39:27		ndbuka_5434	4315							260	9	11	8	3	22	800	19	38	27	112	82	5	9	2	4	2738	71	121	10	-59	18	-38	24	565	40	9	1	13	30	1	1	-79	29	250	5						
23-May-12	136	37.07	12:40:46		ndbuka_5434	2586							420	13	6	11	9	25	315	13	136	50	254	163	19	22	2	5	50401	544	67	10	5	21	708	115	750	65	47	3	1	37	2	2	-134	34	88	3						
23-May-12	137	38.02	12:42:15		ndbuka_5434	2711							1231	23	63	19	40	24	359	14	70	40	230	131	2	15	26	6	26099	311	119	11	64	20	196	79	428	49	105	4	51	36	3	2	-68	34	257	5						
23-May-12	138	37.16	12:43:54		ndbuka_5434	2711							1217	23	65	19	48	25	325	13	87	41	430	136	7	16	14	6	26263	317	91	10	106	21	231	80	432	50	114	4	28	37	3	2	-95	35	262	6						
23-May-12	139	37.14	12:45:22		ndbuka_5434	2710							5471	68	478	43	-12	26	6836	88	-13	51	120	163	22	21	76	12	37829	453	2810	53	9	22	-184	100	9688	197	127	4	22	39	8	4	-66	37	327	7						
23-May-12	140	37.65	12:46:56		ndbuka_5434	Blank							0	2	-1	2	-7	19	2	3	-52	17	-119	53	0	6	-5	3	9	14	-4	5	-5	16	-7	8	-1	14	1	1	47	28	0	1	-140	26	3	1						
23-May-12	141	37.92	12:48:27		ndbuka_5434	sample	116	1	2				1821	29	-25	22	-8	24	1364	28	49	43	235	140	-11	17	12	6	35190	398	233	15	-9	20	344	93	568	56	45	3	-18	35	2	3	-29	34	222	5						
23-May-12	142	38.22	12:49:38		ndbuka_5434	sample	116	1	2				1734	29	7	23	-17	25	1374	29	23	43	334	150	-1	19	0	6	36188	420	256	16	-57	21	343	98	383	53	47	3	50	36	-4	2	-49	35	232	5						
23-May-12	143	38.02	12:51:06		ndbuka_5434	sample	116	1	2				1847	30	-38	23	-33	24	1339	28	83	43	67	133	-19	17	4	6	34595	394	260	15	-37	20	324	93	464	53	48	3	0	35	-2	2	-43	34	226	5						
23-May-12	144	38.27	12:52:30		ndbuka_5434	sample	116	1	3				1982	32	-44	24	-44	25	1343	29	25	43	98	139	-6	18	8	6	38031	432	232	15	-63	21	355	99	488	56	51	3	20	36	0	3	-64	34	223	5						
23-May-12	145	38.07	12:53:42		ndbuka_5434	sample	116	1	3				1991	31	-88	23	6	25	1336	28	88	44	89	135	86	21	11	6	37020	417	224	15	-13	20	313	96	481	55	45	3	6	36	0	2	-115	34	220	5						
23-May-12	146	38.07	12:54:53		ndbuka_5434	sample	116	1	3				1937	31	-77	23	13	24	1308	28	21	42	11	137	4	18	-3	5	37522	423	218	14	-72	20	330	97	500	55	48	3	36	35	3	3	-142	33	230	5						
23-May-12	147	37.67	12:56:21		ndbuka_5434	sample	116	2	1				239	9	3	8	-31	22	145	8	13	30	202	109	0	12	1	4	16747	205	41	8	-23	18	182	58	434	41	63	3	-23	31	-2	1	-76	30	140	4						
23-May-12	148	37.9	12:57:30		ndbuka_5434	sample	116	2	1				236	9	-9	8	6	22	156	9	-6	30	36	104	11	13	-1	4	16970	209	9	6	-41	18	148	59	374	40	64	3	69	32	-1	1	-125	30	141	4						
23-May-12	149	38.31	12:58:51		ndbuka_5434	sample	116	2	1				239	9	-9	8	-46	22	160	9	64	34	109	110	-17	11	2	4	17304	217	27	7	-93	18	43	60	441	43	66	3	37	31	1	1	-123	30	133	4						
23-May-12	150	37.92	12:59:55		ndbuka_5434	sample	116	2	1				231	9	0	8	-47	22	141	8	-4	30	64	105	51	14	-1	4	16916	208	20	7	-79	18	162	59	382	40	64	3	-40	31	0	1	-123	30	141	4						
23-May-12	151	38.02	13:01:13		ndbuka_5434	sample	116	2	2				239	9	-7	8	-8	21	150	8	46	32	153	108	-5	12	4	4	16670	205	32	7	-57	18	242	59	356	39	63	3	43	31	1	1	-117	29	131	4						
23-May-12	152	37.77	13:02:34		ndbuka_5434	sample	116	2	2				239	9	-9	8	-6	22	150	8	99	34	76	104	-4	12	4	4	16488	205	25	7	-45	18	148	58	463	42	63	3	89	32	-1	1	-95	30	140	4						
23-May-12	153	37.44	13:08:49		ndbuka_5434	sample	116	2	2				240	8	3	7	-42	21	157	8	47	31	147	106	-18	11	2	4	17198	202	34	7	-74	17	215	58	465	41	65	2	-1	30	-1	1	-137	28	138	3						
23-May-12	154	37.56	13:10:48		ndbuka_5434	sample	116	2	3				238	8	-14	7	-37	21	152	8	23	30	135	105	-18	11	4	4	16841	201	13	6	-37	17	171	57	445	40	68	3	39	30	-2	1	-85	29	136	3						

Raw XRF Data
Shaprio Salvage Site, Festus, Missouri

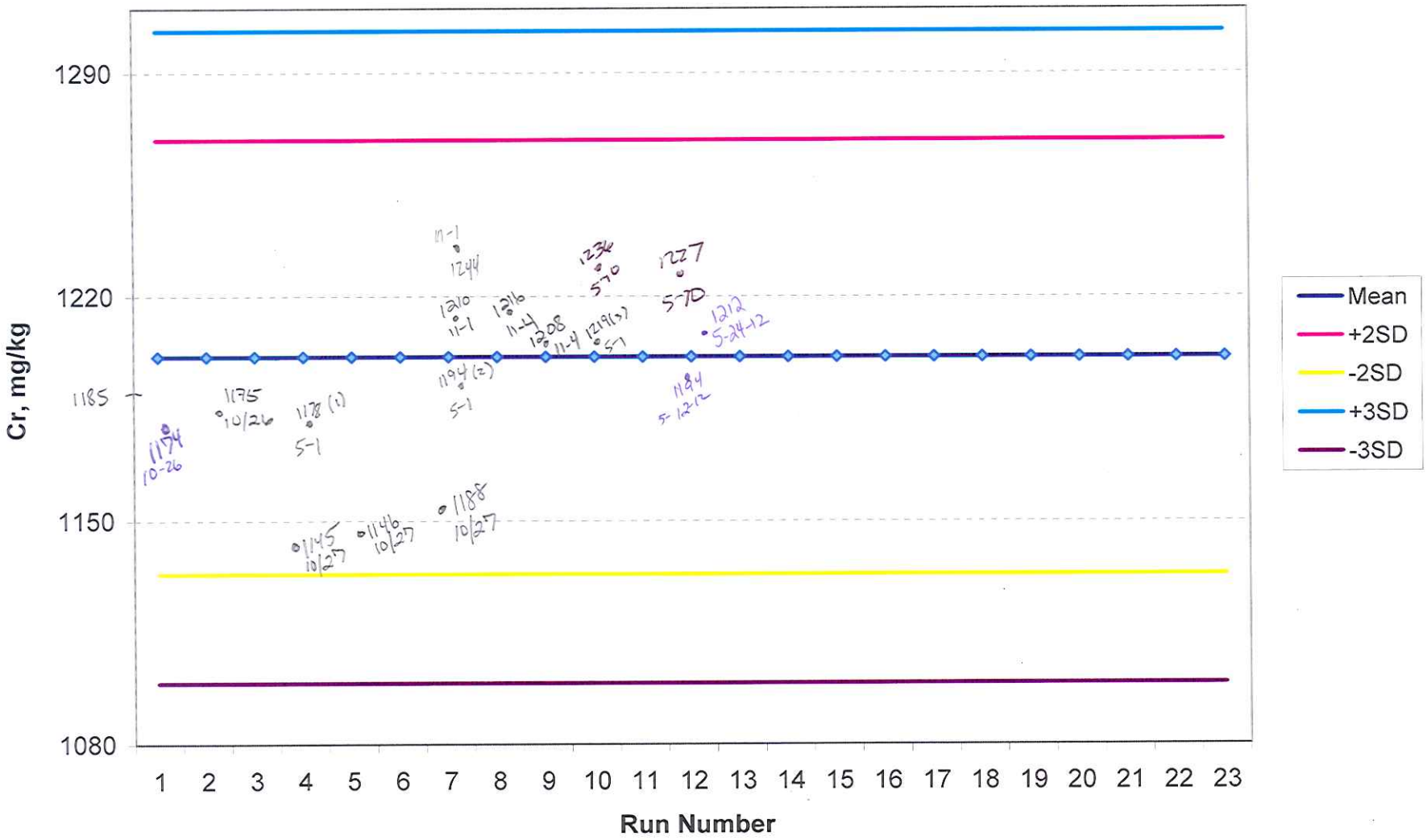
In-Situ XRF Data

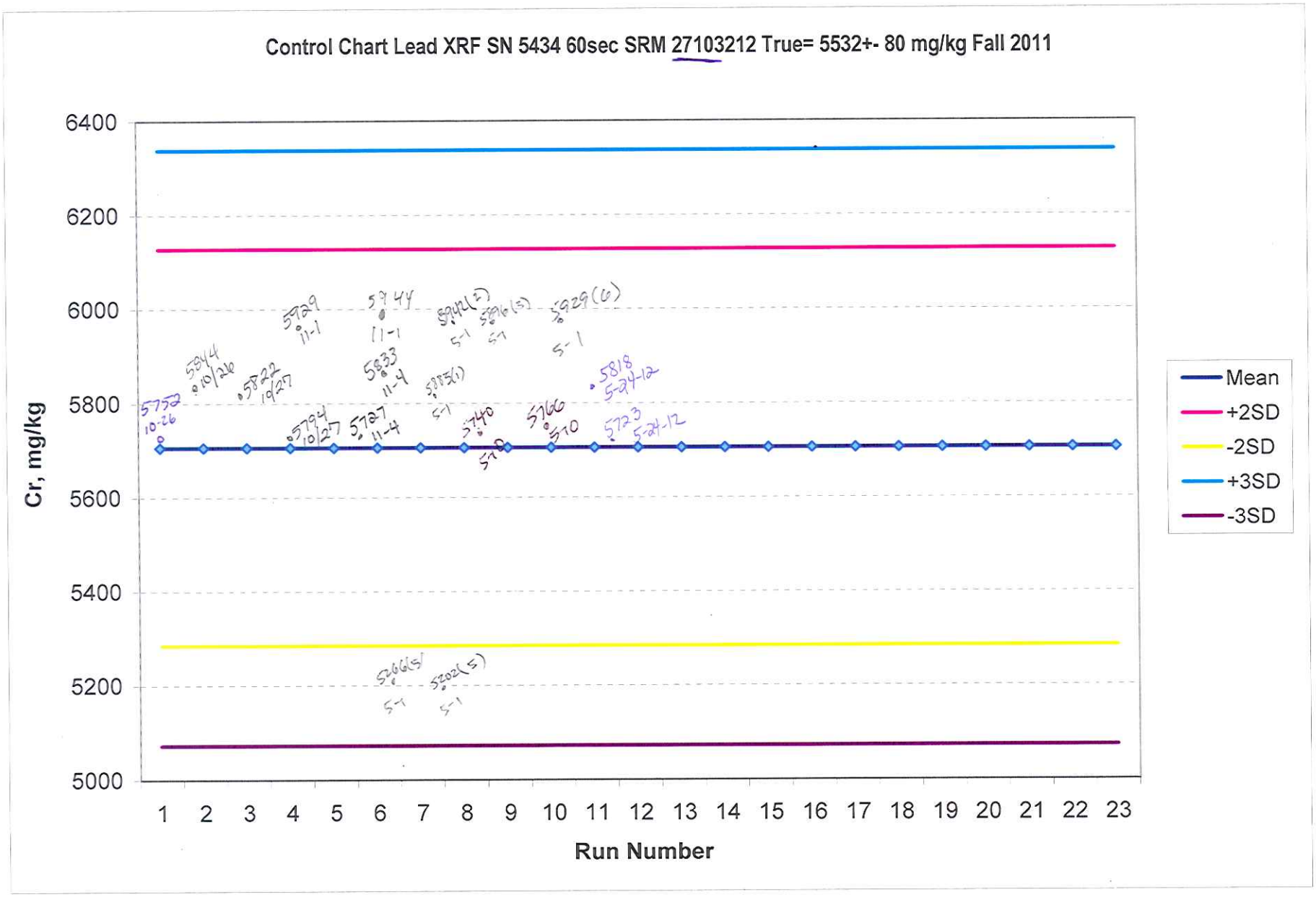
Date	Reading	LiveTime	Analyst	Loc_ID	Chk_Sampl	SU	Transect	Distance	Comment		Pb	Pb +/-	As	As +/-	Cd	Cd +/-	Zn	Zn +/-	Cr	Cr +/-	Ba	Ba +/-	Ni	Ni +/-	Hg	Hg +/-	Fe	Fe +/-	Cu	Cu +/-	Ag	Ag +/-	Co	Co +/-	LE	LE +/-	Mn	Mn +/-	Mo	Mo +/-	Rb	Rb +/-	Sb	Sb +/-	Se	Se +/-	Sn	Sn +/-	Sr	Sr +/-	Ti	Ti +/-	Zr	Zr +/-
23-May-12	155	37.9	13:12:20		ndbuka_5434	sample	116	2	3				212	8	4	7	6	22	142	8	48	32	28	106	28	13	1	4	17222	211	22	7	-36	18	47	58	479	43	65	3	-19	32	-2	1	-110	30	135	4						
23-May-12	156	37.97	13:13:21		ndbuka_5434	sample	116	2	3				217	8	-4	7	-41	22	138	8	-43	29	298	112	-14	12	1	4	16668	206	25	7	-72	18	202	59	401	40	61	3	26	31	2	1	-105	30	130	4						
23-May-12	157	37.85	13:17:44		ndbuka_5434	sample	124	Y1	1				228	9	-5	8	-57	22	143	8	48	32	84	110	0	12	-2	4	14635	191	29	7	18	19	99	55	441	42	68	3	-6	33	0	1	-125	31	142	4						
23-May-12	158	37.9	13:19:03		ndbuka_5434	sample	124	Y1	1				217	9	-3	7	-46	22	171	9	5	30	122	109	-1	12	-1	4	14973	193	32	7	7	18	148	56	541	44	65	3	-17	32	1	1	-198	31	149	4						
23-May-12	159	37.96	13:20:12		ndbuka_5434	sample	124	Y1	1				224	9	-11	7	7	22	173	9	8	31	293	113	-7	12	4	4	14597	190	30	7	-29	18	202	56	489	43	63	3	4	32	-2	1	-154	30	149	4						
23-May-12	160	37.93	13:21:37		ndbuka_5434	sample	124	Y1	2				195	8	-5	7	-38	22	146	8	4	30	212	111	-3	12	2	4	15499	198	22	7	-33	18	143	57	536	44	62	3	11	32	1	1	-129	30	150	4						
23-May-12	161	38.03	13:23:06		ndbuka_5434	sample	124	Y1	2				181	8	10	7	-30	22	144	8	-49	28	249	112	-3	12	3	4	15253	196	26	7	-27	18	211	57	589	45	65	3	70	32	0	1	-85	31	146	4						
23-May-12	162	37.83	13:24:28		ndbuka_5434	sample	124	Y1	2				192	8	-7	7	18	22	140	8	81	33	117	106	25	13	-1	4	15726	199	20	7	15	18	62	56	575	45	66	3	6	32	0	1	-124	30	155	4						
23-May-12	163	37.99	13:25:50		ndbuka_5434	sample	124	Y1	3				225	9	-12	7	-26	22	222	10	59	32	122	108	7	12	-3	3	13957	183	25	7	-47	18	101	53	354	38	65	3	-24	31	-2	1	-136	30	146	4						
23-May-12	164	37.89	13:27:56		ndbuka_5434	sample	124	Y1	3				220	8	-2	7	-41	21	209	10	-42	26	70	104	-9	11	2	4	13255	174	25	7	-19	18	160	52	375	38	61	2	-2	31	2	1	-179	29	140	4						
23-May-12	165	37.56	13:29:07		ndbuka_5434	sample	124	Y1	3				229	8	2	7	27	21	217	10	4	29	65	103	-12	11	2	4	14266	181	35	7	-18	18	159	53	437	40	64	3	43	31	1	1	-55	29	150	4						
23-May-12	166	37.67	13:31:04		ndbuka_5434	sample	124	Y2	1				275	9	-5	8	-11	22	264	11	-22	28	116	105	-3	11	-6	3	13556	176	33	7	12	18	185	53	420	39	68	3	0	32	0	1	-89	30	128	3						
23-May-12	167	37.63	13:32:17		ndbuka_5434	sample	124	Y2	1				268	9	6	8	-28	22	266	11	-18	28	-20	99	4	12	4	4	13456	177	28	7	-19	18	148	53	390	39	64	3	28	32	3	2	-138	30	124	3						
23-May-12	168	37.79	13:33:26		ndbuka_5434	sample	124	Y2	1				258	9	-14	8	-41	22	263	11	-34	26	109	100	-2	11	-5	3	11735	162	23	7	1	18	76	49	361	37	64	3	-12	31	-1	1	-56	30	115	3						
23-May-12	169	37.61	13:34:46		ndbuka_5434	sample	124	Y2	2				331	10	-19	9	-41	22	248	10	-31	27	66	104	-6	11	5	4	12400	168	36	7	5	18	127	51	515	42	63	3	-1	32	-1	1	-77	30	132	4						
23-May-12	170	38.09	13:36:19		ndbuka_5434	sample	124	Y2	2				319	10	11	9	-58	22	242	10	32	30	176	106	-6	11	-2	4	12410	168	37	7	-13	18	118	51	439	40	56	2	40	31	-1	1	-39	30	125	3						
23-May-12	171	37.83	13:37:20		ndbuka_5434	sample	124	Y2	2				320	10	-19	9	-8	22	211	10	2	29	207	109	-8	11	-2	4	12339	169	50	8	-32	18	143	51	479	41	60	3	21	32	-3	1	-83	30	123	3						
23-May-12	172	37.9	13:38:49		ndbuka_5434	sample	124	Y2	2	QCI			304	10	-7	9	-26	21	249	10	-38	27	195	105	9	11	-2	4	12294	167	43	8	-66	18	56	49	524	42	61	3	6	31	-1	1	-97	30	128	4						
23-May-12	173	37.86	13:39:43		ndbuka_5434	sample	124	Y2	2	QCI			327	10	-15	9	-75	22	249	11	15	29	80	103	1	11	-1	4	12050	166	36	7	-19	18	95	50	463	41	59	2	70	32	-1	1	-172	30	128	4						
23-May-12	174	38.15	13:40:38		ndbuka_5434	sample	124	Y2	2	QCI			333	10	-10	9	-36	22	239	10	-5	28	71	104	15	12	-1	4	12248	167	39	8	-39	18	111	50	446	40	58	2	-1	31	0	1	-128	30	128	4						
23-May-12	175	37.99	13:41:31		ndbuka_5434	sample	124	Y2	2	QCI			318	10	-10	9	1	22	241	10	-42	26	155	105	-1	11	-4	3	12033	165	30	7	-21	18	165	50	461	40	59	2	13	31	-1	1	-119	30	123	3						
23-May-12	176	37.93	13:42:21		ndbuka_5434	sample	124	Y2	2	QCI			336	10	-25	9	-12	22	238	10	30	30	189	107	22	12	-3	4	11894	164	48	8	-23	18	119	50	466	41	59	2	19	31	-2	1	-87	30	130	4						
23-May-12	177	37.81	13:43:23		ndbuka_5434	sample	124	Y2	2	QCI			318	10	-3	9	-48	21	228	10	-3	28	185	105	12	11	-1	4	12033	164	31	7	-43	18	-6	48	461	40	61	3	28	31	-1	1	-86	29	126	3						
23-May-12	178	37.87	13:44:15		ndbuka_5434	sample	124	Y2	2	QCI			327	10	-16	9	-33	22	238	10	47	31	197	106	-13	10	-3	4	12149	166	41	8	-37	18	85	50	418	39	60	2	8	32	0	1	-182	30	127	3						
23-May-12	179	38.76	13:45:48		ndbuka_5434	sample	124	Y2	3				235	9	1	8	-48	24	185	10	-7	30	32	110	-8	12	-8	3	10765	167	17	7	-14	20	150	52	328	39	55	3	49	35	-2	1	-52	33	114	4						
23-May-12	180	37.84	13:47:52		ndbuka_5434	sample	124	Y2	3				279	9	-17	8	-31	21	204	10	-18	27	71	104	11	11	-3	3	12031	164	36	7	-15	18	129	50	401	38	59	2	-5	31	1	1	-137	30	128	3						
23-May-12	181	37.62	13:49:15		ndbuka_5434	sample	124	Y2	3				268	9	-20	8	-2	21	188	9	-30	26	147	103	19	11	1	4	11929	161	32	7	-10	18	92	48	467	40	62	2	-52	31	-1	1	-155	29	128	3						
23-May-12	182	37.65	13:53:33		ndbuka_5434	sample	124	Y2	3				261	9	-2	8	-52	21	179	9	8	28	124	104	0	11	-2	3	11951	161	19	7	-17	18	202	50	380	37	58	2	-29	31	0	1	-140	30	128	3						
23-May-12	183	37.78	13:55:13		ndbuka_5434	sample	124	P1	1				415	12	-14	10	14	22	318	12	7	30	109	109	15	12	7	4	15201	195	73	9	8	18	24	55	431	41	54	2	-17	32	0	2	-65	30	133	4						
23-May-12	184	37.9	13:56:26		ndbuka_5434	sample	124	P1	1				415	12	-11	10	-28	22	307	12	25	31	84	109	9	12	5	4	14578	192	64	9	-32	18	145	56	485	43	58	3	40	32	-1	1	-120	31	137	4						
23-May-12	185	37.95	13:57:46		ndbuka_5434	sample	124	P1	1				437	12	-17	10	3	22	302	12	27	31	160	109	14	12	-5	4	15206	195	79	9	-9	18	90	56	476	42	58	2	28	32	0	1	-149	30	141	4						
23-May-12	186	37.8	14:00:13		ndbuka_5434	sample	124	P1	2				396	11	-13	10	-44	22	299	12	-3	29	99	106	-2	11	2	4	14689	189	57	8	-48	18	90	55	491	42	57	2	5	31	-2	1	-151	30	128	4						
23-May-12	187	37.72	14:01:33		ndbuka_5434	sample	124	P1	2				388	11	-14	9	-15	22	280	11	17	30	125	106	23	13	4	4	14238	184	63	8	-26	18	143	54	428	40	59	2	-9	32	0	1	-111	30	126	3						
23-May-12	188	37.97	14:03:02		ndbuka_5434	sample	124	P1	2				439	12	-27	10	-44	22	299	12	43	32	144	111	12	13	-3	4	15197	196	69	9	-24	18	189	57	456	42	56	2	10	32	1	2	-168	30	130	4						
23-May-12	189	37.95	14:04:22		ndbuka_5434	sample	124	P1	2				422	12	-15	10	-58	22	282	11	4	30	59	106	7	12	0	4	15258	195	54	8	-38	18	111	56	508	43	58	2	83	32	0	1	-149	30	136	4						
23-May-12	190	37.97	14:05:39		ndbuka_5434	sample	124	P1	2				415	12	-19	10	-73	22	301	12	21	30	-14	103	1	12	0	4	14887	192	73	9	-10	18	183	56	436	41	55	2	90	32	-1	1	-61	30	134	4						
23-May-12	191	37.92	14:06:58		ndbuka_5434	sample	124	P1	2				407	12	-7	10	-51	22	317	12	0	31	187	113	5	12	2	4	15307	199	72	9	-28	18	10	56	464	43	60	3	33	32	0	2	-44	31	130	4						
23-May-12	192	38.17	14:08:23		ndbuka_5434	sample	124	P1	2				404	12	-5	10	-16	22	290	12	-6	30	112	108	1	12	5	4	14561	191	68	9	-47	18	115	55	626	46	58	3	16	32	-2	1	-101	30	127	4						
23-May-12	193	38.29	14:09:30		ndbuka_5434	sample	124	P1	2				431	12	-20	10	-19	23	311	12	-14	31	291	116	-23	12	1	4	15166	203	67	9	-51	19	167	59	441	43	56	3	0	33	2	2	-184	31	120	4						
23-May-12	194	38.09	14:10:53		ndbuka_5434	sample	124	P1	2				433	12	-21	10	-11	22	286	11	-42	28	26	108	3	12	-2	4	15321	198	75	9	1	19	144	57	560	45	62	3	50	32	1	2	-76	31	133	4						
23-May-12	195	37.87	14:12:13		ndbuka_5434	sample	124	P1	2				425	12	-16	10	-48	22	289	11	-4	29	37	106	7	12	-1	4	15218	194	64	8	-47	18	145	56	570	44	61	3	74	31	2	2	-124	30	136	4						
23-May-12	196	37.05	14:13:38		ndbuka_5434	sample	124	P1	3				488	13	-23	11	-17	22	338	13	-19	29	3	106	14	13	0	4	15450	201	85	9	8	19	104	57	490	43	50	2	2	32	1	2	-163	31	140	4						
23-May-12	197	37.83	14:14:54		ndbuka_5434	sample	124	P1	3				485	13	-25	11	-45	22	339	12	6	30	209	110	3	12	-4	4	15177	195	99	10	-9	18	42	55	425	41	50	2	54	32	3	2	-126	30	133	4						
23-May-12	198	37.76	14:16:09		ndbuka_5434	sample	124	P1	3				503	13	-15	11	27	22	350	13	-32	29	212	114	11	13	4	4	15198	196	90	9	13	19	150	57	526	44	54	2	52	33	2	2	-113	31	137	4						
23-May-12	199	37.05	14:17:50		ndbuka_5434	sample	124	P1	3	QCI			470	13	-26	11	-61	22	331	12	49	32	-39	106	-3	12	-1	4	15388	201	84	9	-10	19	85	57	486	44	51	2	-12	33	2	2	-58	31	129	4						
23-May-12	200	36.88	14:18:53		ndbuka_5434	sample	124	P1	3	QCI			475	13	-8	11	-35	22	326	12	52	33	157	111	25	13	-1	4	15102	199	86	9	-14	19	144	58	483	44	57	3	25	33	0	2	-69	31	126	4						
23-May-12	201	38.18	14:19:44		ndbuka_5434	sample	124	P1	3	QCI			476	12	-25	11	-7	22	338	12	73	33	10	104	-7	12	5	4	15354	197	95	9	-12	18	141	57	439	42	54	2	46	32	0	2	-119	30	133	4						
23-May-12	202	37.89	14:20:42		ndbuka_5434	sample	124	P1	3	QCI			499	13	-41	11	-6	22	336	12	39	32	193	111	1	12	2	4	15042	195	93	9	3	18	127	56	433	42	50	2	26	32	-3	1	-139	30	131	4						
23-May-12	203	38.11	14:21:32		ndbuka_5434	sample	124	P1	3	QCI			482	13	-13	11	9	22	353	13	19	31	38	107	-18	11	4	4	15338	198	72	9	-34	18	177	58	393	40	57	3	14	32	0	2	-89	31	138	4						
23-May-12	204	37.99	14:22:25		ndbuka_5434	sample	124	P1	3	QCI			502	13	-31	11	-77	22	337	12	-51	27	-33	104	-5	12	0	4	15153	195	82	9	-30	18	240	58	412	40	54	2	-35	32	0	2	-100	30	131	4						
23-May-12	205	37.84	14:23:14		ndbuka_5434	sample	124	P1	3	QCI			475	12	-23	11	-32	22	345	13	-14	30	284	113	-1	12	4	4	15174	196	84	9	-27	18	57	56	480	43	55	2	4	32	0	2	-130	30	127	4						
23-May-12	206	37.79	14:24:33		ndbuka_5434	sample	124	2	1				252	9	-16	8	-38	21	191	9	-21	27	102	103	-12	10	1	4	12405	166	30	7	-72	18	71	49	408	38	60	2	25	31	-1	1	-139	29	129	3						
23-May-12	207	37.97	14:25:50		ndbuka_5434	sample	124	2	1				241	9	2	8	-55	21	197	9	33	29	165	103	0	11	3	4	12111	162	23	7	-60	17	109	49	377	37	58	2	-19	30	-1	1	-128	29	131	3						
23-May-12	208	37.85	14:26:56		ndbuka_5434	sample	124	2	1				249	9	-11	8	-50	21	228	10	38	30	154	105	-4	11	-2	3	12384	165	27	7	-41	18	136	50	467	40	58	2	28	31	0	1	-92	29	130	3						
23-May-12	209	36.78	14:28:12		ndbuka_5434	sample	124	2	2				233	9	-5	8	-61	21	175	9	-33	26	-25	99	-10	10	-3	3	11591	161	21	7	-34	18	71	48	405	38	56	2	-5	31	-1	1	-53	30	129	4						
23-May-12	210	37.92	14:29:31		ndbuka_5434	sample	124	2	2				246	9	-15	8	-9	21	184	9	33	28	-208	91	5	11	0	4	11610	160	29	7	-64	18	46	48	377	37	60	2	12	30	0	1	-92	29	127	3						
23-May-12	211	38.08	14:30:43		ndbuka_5434	sample	124	2	2				249	9	-21	7	-15	21	167	9	9	28	238	105	-5	11	1	4	11199	155	28	7	-31	18	189	49	364	37	61	2	13	31	0	1	-178	29	118	3						
23-May-12	212	38.16	14:32:03		ndbuka_5434	sample	124	2	3				264	9	0	8	-32	21	203	10	-29	27	-4	101	13	11	-4	3	12340	167	29	7	-29	18	92	50	383	38	60	2	51	31	0	1	-96	29	128	3						
23-May-12	213	37.91	14:33:14		ndbuka_5434	sample	124	2	3				286	9	-22	8	-4	21	241	10	-14	28	181	105	-1	11	-3	3	12312	166	35	7	-35	18	125	50	453	40	58	2	23	31	-1	1	-134	29	126	3						
23-May-12	214	37.95	14:34:24		ndbuka_5434	sample	124	2	3				305	10	-9	9	-32	22	237	10	33	30	123	107	24	12	-2	4	13080	175	35	7	-37	18	100	52	515	42	59	2	5	31	-3	1	-158	30	131	4						
23-May-12	215	37.75	14:35:39		ndbuka_5434	sample	124	4	1				474	12	-20	10	-34	22	344	12	45	32	184	110	7	12	0	4	15161	194	90	9	-34	18	171	56	447	42	55	2	24	32	0	2	-98	30	128	4						
23-May-12	216	37.95	14:36:50		ndbuka_5434	sample	124	4	1				482	13	-18	11	-28	22	357	13	22	31	18	104	9	12	-8	3	15420	197	78	9	-48	18	89	56	382	40	56	2	-5	32	1	2	-79	31	129	4						
23-May-12	217	37.86	14:38:10		ndbuka_5434	sample	124	4	1				475	12	-18	11	-6	22	365	13	-55	27	44	105	25	13	9	4	15409	196	76	9	-23	18	74	56	489	42	54	2	24	32	-2	1	-137	30	133	4						
23-May-12	218	37.72	14:39:22		ndbuka_5434	sample	124	4	2				428	12	-10	10	-12	22	301	12	-15	30	175	111	-2	12	-4	4	15777	200	78	9	-13	18	158	58	456	42	56	2	48	32	-1	1	-115	31	130	4						
23-May-12	219	38.08	14:40:23		ndbuka_5434	sample	124	4	2				428	12	-26	10	-1	22	262	11	-13	29	172	111	-4	12	-4	4	14396	189	68	9	-25	18	203	56	499	43	53	2	33	32	0	1	-129	30	125	4						
23-May-12	220	37.71	14:41:36		ndbuka_5434	sample	124	4	2				431	12	-9	10	-23	22	302	12	44	32	130	108	8	12	-9	3	15589	196	80	9	-1	18	194	57	569	44	59	2	-34	32	1	2	-86	30	135	4						
23-May-12	221	37.97	14:44:00		ndbuka_5434	sample	124	4	3				378	11	-1	10	-40	22	278	11	-62	27	269	112	-9	11	2	4	14722	190	69	9	-36	18	138	55	528	43	56	2	12	32	0	1	-134	30	132	4						
23-May-12	222	37.96	14:47:33		ndbuka_5434	sample	124	4	3				385	11	-28	9	-24	22	271	11	31	31	10	103	-5	12	3	4	14892	191	60	8	-43	18	133	55	535	43	53	2	30	32	1	2	-142	30	135	4						
23-May-12	223	38	14:49:49		ndbuka_5434	sample	124	4	3				409	12	-5	10	-41	22	273	11	7	30	-27	103	4	12	-6	3	14460	189	67	9	-19	18	109	55	500	43	56	2	14	32	-2	1	-142	30	125	4						
23-May-12	224	38.06	14:51:23		ndbuka_5434	sample	124	4	3				407	11	-30	10	-46	22	288	11	-1	29	101	106	19	12	0	4	14729	190	65	8	-38	18	109	55	472	42	54	2	35	32	1	2	-112	30	134	4						
23-May-12	225	37.88	14:52:30		ndbuka_5434	sample	124	4	3				396	11	-18	10	-1	22	285	11	4	30	-3	103	20	12	3	4	14449	189	85	9	-33	18	94	55	467	42	54	2	-49	32	1	2	-158	30	127	4						
23-May-12	226	37.91	14:53:42		ndbuka_5434	sample	124	4	3				388	11	1	10	-13	22	287	11	-64	27	202	108	-4	12	1	4	14451	188	65	9	-21	18	172	55	485	42	60	3	11	32	1	2	-101	30	125	4						
23-May-12	227	37.98	14:55:04		ndbuka_5434	sample	124	4	3				399	11	-19	10	-13	22	295	12	54	32	-79	104	-3	12	5	4	14604	190	55	8	0	18	157	56	465	42	57	2	-25	32	-3	1	-89	30	132	4						
23-May-12	228	37.78	14:56:10		ndbuka_5434	sample	124	4	3				387	11	-12	10	-29	22	292	11	-4	30	328	114	-1	12	-5	4	13732	182	65	9	-28	18	215	55	532	43	59	3	-50	32	0	2	-132	31	134	4						
23-May-12	229	38.51	14:57:07		ndbuka_5434	sample	124	4	3				382	12	-30	10	-30	23	278	12	8	31	68	107	-22	11	1	4	12985	183	68	9	-12	19	173	55	466	43	55	3	22	34	-1	1	-145	32	124	4						
23-May-12	230	38.28	14:58:26		ndbuka_5434	5861							51	5	57	6	39	24	125	11	713	56	-36	96	1116	39	0	4	13970	195	2957	50	74	20	128	58	156	38	20	2	64	35	3	2	-69	33	120	4						
23-May-12	231	38.67	14:59:31		ndbuka_5434	4315							247	9	-5	8	-37	21	839	19	-21	24	225	86	-2	8	-2	4	2665	69	93	9	-83	18	-18	24	614	41	14	2	16	30	0	1	-136	28	226	5						
23-May-12	232	38.26	15:00:46		ndbuka_5434	2586							440	13	-20	11	-29	24	320	13	217	51	-37	156	29	21	3	5	49400	529	55	9	-46	20	442	111	704	63	47	3	-15	35	1	2	-83	33	85	3						
23-May-12	233	37.88	15:02:08		ndbuka_5434	2711							1185	22	56	18	34	24	343	13	97	41	546	139	-45	14	20	6	25434	304	119	11	34	20	359	79	444	49	107	4	42	36	10	3	-74	34	257	5						
23-May-12	234	37.14	15:03:44		ndbuka_5434	2710							5926	76	505	47	53	28	7247	96	2	54	35	171	-17	21	79	12	39995	494	3038	58	46	23	-62	108	10432	214	130	5	131	41	-8	4	-57	39	365	8						
23-May-12	235	37.71	15:05:08		ndbuka_5434	Blank							3	3	-3	2	-1	20	3	3	-40	17	-229	46	-12	6	-2	3	21	15	-7	5	-38	16	-2	8	-18	13	1	1	39	28	1	1	-144	27	5	1						
24-May-12	2	38.43	13:09:26		wilder 5434	5861							61	5	49	6	51	24	139	11	710	55	-28	96	1231	40	-4	4	14128	193	2948	49	90	19	167	57	100	36	22	2	27	35	3	1	-94	33	117	4						
24-May-12	3	37.56	13:11:29		wilder 5434	4315							238	8	5	8	-49	20	787	18	16	25	82	76	-1	8	-8	3	2585	67	97	9	-75	17	23	24	470	36	11	1	42	29	-1	1	-133	27	202	4						
24-May-12	4	38.31	13:13:10		wilder 5434	2586							446	13	-22	11	-33	24	317	13	215	52	405	165	4	20	1	4	50214	531	67	10	-4	20	531	111	664	62	51	3	24	35	-1	2	-47	34	80	3						
24-May-12	5	36.94	13:14:55		wilder 5434	2711							1194	22	65	18	31	24	301	13	32	38	172	129	-22	15	20	6	25479	304	112	11	28	20	383	79	376	47	105	4	41	35	6	2	-82	33	250	5						
24-May-12	6	36.34	13:16:16		wilder 5434	2710							5818	74	483	46	-28	27	7256	95	8	54	248	178	9	22	68	12	39282	482	2953	56	48	23	-36	106	10005	207	127	5	-3	40	-2	4	-93	38	357	7						
24-May-12	7	36.76	13:18:14		wilder 5434	Blank							-3	2	0	2	-33	19	3	3	-6	19	-143	52	-7	6	3	3	-32	12	-2	5	-23	16	16	9	-29	13	0	1	31	28	1	1	-107	26	4	1						
24-May-12	8	37.24	13:20:18		wilder 5434	sample	Sed	1					1340	24	-19	19	-7	24	843	22	76	41	174	130	-8	16	2	5	27790	331	296	16	0	20	361	84	541	53	43	3	27	36	-2	2	-94	34	153	4						
24-May-12	9	37.11	13:21:23		wilder 5434	sample	Sed	1					1499	26	-101	20	-13	24	754	20	-24	37	161	128	44	17	-4	5	28256	335	300	16	-13	20	50	82	623	55	51	3	45	35	1	2	-72	33	152	4						
24-May-12	10	37.17	13:22:46		wilder 5434	sample	Sed	1					1480	26	-87	20	-5	24	693	19	167	44	2	124	-3	16	-13	4	27816	329	345	17	15	20	292	83	467	51	38	2	28	35	3	2	-101	33	146	4						
24-May-12	11	36.94	13:24:10		wilder 5434	sample	Sed	2					454	13	13	11	-61	23	485	16	-3	37	377	133	-14	15	-2	4	29442	333	97	10	-6	19	275	82	1109	63	35	2	-72	35	2	2	-22	33	170	4						
24-May-12	12	37.08	13:25:24		wilder 5434	sample	Sed	2					362	11	-12	10	-35	23	380	14	8	35	20	113	-13	14	-3	4	24826	291	68	9	47	20	248	75	1079	61	32	2	14	35	-1	1	-55	33	167	4						
24-May-12	13	37.14	13:26:39		wilder 5434	sample	Sed	2					460	13	-12	11	-39	23	516	16	52	39	-72	118	-3	15	5	4	30668	344	62	9	-2	20	163	83	1102	64	40	2	58	35	1	2	-69	33	167	4						
24-May-12	14	64.46	13:27:58		wilder 5434	sample	Sed	2					422	9	0	8	-48	18	409	11	27	28	132	93	6	12	-1	3	27611	241	70	7	3	15	202	60	1024	46	33	2	27	26	0	1	-77	25	158	3						
24-May-12	15	38.21	13:29:58		wilder 5434	sample	Sed	2					406	12	6	11	-20	23	482	15	19	38	249	129	-16	15	1	4	31511	350	71	9	-13	19	280	84	1161	65	33	2	51	34	1	2	-115	33	159	4						
24-May-12	16	37.23	13:32:10		wilder 5434	sample	Sed	2					382	12	-14	10	-57	24	487	16	-13	36	392	131	9	15	-5	4	27625	320	75	10	40	20	173	80	1092	63	34	2	49	35	-3	1	-104	33	156	4						
24-May-12	17	37.24	13:34:05		wilder 5434	sample	Sed	3					549	14	-24	12	-23	23	451	15	23	35	182	115	-3	14	-3	4	23044	273	95	10	-53	19	159	71	669	51	48	2	-13	33	-1	2	-115	31	182	4						
24-May-12	18	37.33	13:35:13		wilder 5434	sample	Sed	3					592	14	-18	12	-35	23	443	15	16	34	63	111	9	14	0	4	22907	271	55	9	-30	19	162	71	833	55	48	2	4	33	1	2	-186	31	177	4						
24-May-12	19	37.15	13:36:27		wilder 5434	sample	Sed	3					476	13	-32	11	-16	22	438	14	-9	32	94	107	10	13	-1	4	21494	255	48	8	-29	19	56	67	618	49	38	2	23	32	0	2	-122	30	165	4						
24-May-12	20	38.22	13:37:43		wilder 5434	sample	Sed	3					518	13	-13	11	-67	23	537	16	-17	34	176	116	6	15	-3	4	25540	293	61	9	-44	19	253	75	756	54	45	2	22	33	-1	2	-48	31	179	4						
24-May-12	21	37.24	13:39:09		wilder 5434	sample	Sed	3					553	14	-13	12	1	23	453	15	1	35	66	115	-12	15	5	5	24242	289	57	9	-2	20	289	76	648	52	45	2	-32	34	-1	2	-135	32	189	5						
24-May-12	22	37.32	13:40:35		wilder 5434	sample	Sed	3					488	13	-12	11	-65	23	420	14	-69	31	101	113	16	15	-6	4	22883	274	64	9	4	19	153	72	718	52	51	2	14	33	0	2	-134	31	180	4						
24-May-12	23	36.96	13:42:03		wilder 5434	sample	Sed	4					339	11	-10	9	-15	22	1191	24	-1	32	272	114	-3	13	-1	4	17084	214	22	7	-28	18	172	61	570	46	41	2	-28	33	-3	1	-89	31	113	3						
24-May-12	24	36.86	13:43:14		wilder 5434	sample	Sed	4					297	10	-3	9	-60	22	1088	23	30	31	-101	100	-2	12	-4	4	16374	205	28	7	-32	18	79	58	629	46	40	2	-2	32	-1	1	-81	31	97	3						
24-May-12	25	36.89	13:44:19		wilder 5434	sample	Sed	4					279	9	-11	8	-43	22	1091	22	-39	28	143	106	-12	12	-4	4	15918	200	28	7	-65	18	188	58	664	47	32	2	36	32	0	1	-108	30	92	3						
24-May-12	26	37.25	13:45:45		wilder 5434	sample	Sed	Dup					1466	26	-69	20	-43	24	745	20	19	38	237	128	-4	15	7	5	25772	313	317	16	-5	20	179	79	584	53	41	2	90	35	1	2	-110	33	145	4						
24-May-12	27	37.36	13:46:50		wilder 5434	sample	Sed	Dup					1452	26	-40	20	-30	24	787	21	20	38	76	127	11	17	-2	5	25924	315	314	16	-20	20	386	82	478	51	44	3	37	35	0	2	-69	33	144	4						
24-May-12	28	38.37	13:47:56		wilder 5434	sample	Sed	Dup					1431	25	-70	19	14	24	766	20	8	38	146	126	6	16	-8	5	27292	323	286	15	-7	20	286	82	557	52	43	2	0	35	1	2	-45	33	153	4						
24-May-12	29	37.33	13:48:50		wilder 5434	sample	Sed	Dup					1459	25	-77	20	-22	24	740	20	-29	36	59	121	9	17	-4	5	26058	314	288	16	-49	20	349	81	586	53	39	2	111	35	-1	2	-58	33	148	4						
24-May-12	30	38.2	13:49:41		wilder 5434	sample	Sed	Dup					1416	25	-45	19	-33	24	764	20	52	39	156	127	2	16	-1	5	26137	312	280	15	-22	20	308	80	637	54	45	3	24	35	0	2	-80	33	142	4						
24-May-12	31	38.27	13:50:31		wilder 5434	sample	Sed	Dup					1446	25	-69	20	-18	24	755	20	71	40	104	123	-7	16	4	5	26686	319	265	15	3	20	298	81	612	54	41	2	-47	36	0	2	-110	33	150	4						
24-May-12	32	37.43	13:51:25		wilder 5434	sample	Sed	Dup					1414	25	-55	20	10	24	793	21	26	38	-23	121	19	17	3	5	26459	317	274	15	-31	20	260	81	562	52	44	3	-18	35	1	2	-105	33	149	4						
24-May-12	33	38.37	13:52:16		wilder 5434	sample	Sed	Dup					1460	25	-92	20	33	24	781	21	1	37	-10	121	12	16	-1	5	26870	320	271	15	-16	20	172	80	555	52	41	2	24	35	1	2	-132	33	155	4						
24-May-12	34	37.38	13:53:07		wilder 5434	sample	Sed	Dup					1491	26	-100	20	-9	24	760	21	-9	37	122	124	11	16	6	5	26976	325	276	15	5	20	192	82	627	55	40	2	39	36	-1	2	-95	34	155	4						
24-May-12	35	38.17	13:54:37		wilder 5434	2711							1212	22	54	18	9	24	319	13	73	39	114	128	-29	15	14	6	25825	307	105	11	80	20	293	79	479	50	111	4	3	36	7	2	-92	34	264	6						
24-May-12	36	37.57	13:55:41		wilder 5434	5861							61	5	57	6	55	24	152	12	682	55	-179	88	1126	39	-2	4	13660	192	2940	49	35	20	187	58	129	37	23	2	20	35	4	2	-146	33	114	4						
24-May-12	37	37.55	13:56:44		wilder 5434	2710							5723	72	472	45	24	26	6870	90	-40	51	277	171	-76	19	62	11	37326	456	3000	56	42	23	262	105	10067	204	125	4	-1	39	1	4	-95	37	355	7						
24-May-12	38	38.34	13:57:51		wilder 5434	2586							430	13	-15	11	-2	24	297	13	171	50	250	162	-34	19	8	5	49571	527	82	10	1	21	563	111	527	59	49	3	-16	36	1	2	-159	34	88	3						
24-May-12	39	37.68	13:59:04		wilder 5434	4315							249	9	11	8	-67	21	792	19	36	26	-11	75	0	8	-3	4	2086	61	72	9	-93	18	-13	22	567	40	11	1	77	30	1	1	-63	28	221	5						
24-May-12	40	38.08	14:00:09		wilder 5434	Blank							7	3	-6	2	-29	19	0	3	-42	17	-223	47	-4	6	-2	3	-5	13	-11	4	-44	16	-12	7	-37	12	3	1	40	27	1	1	-130	26	2	1						

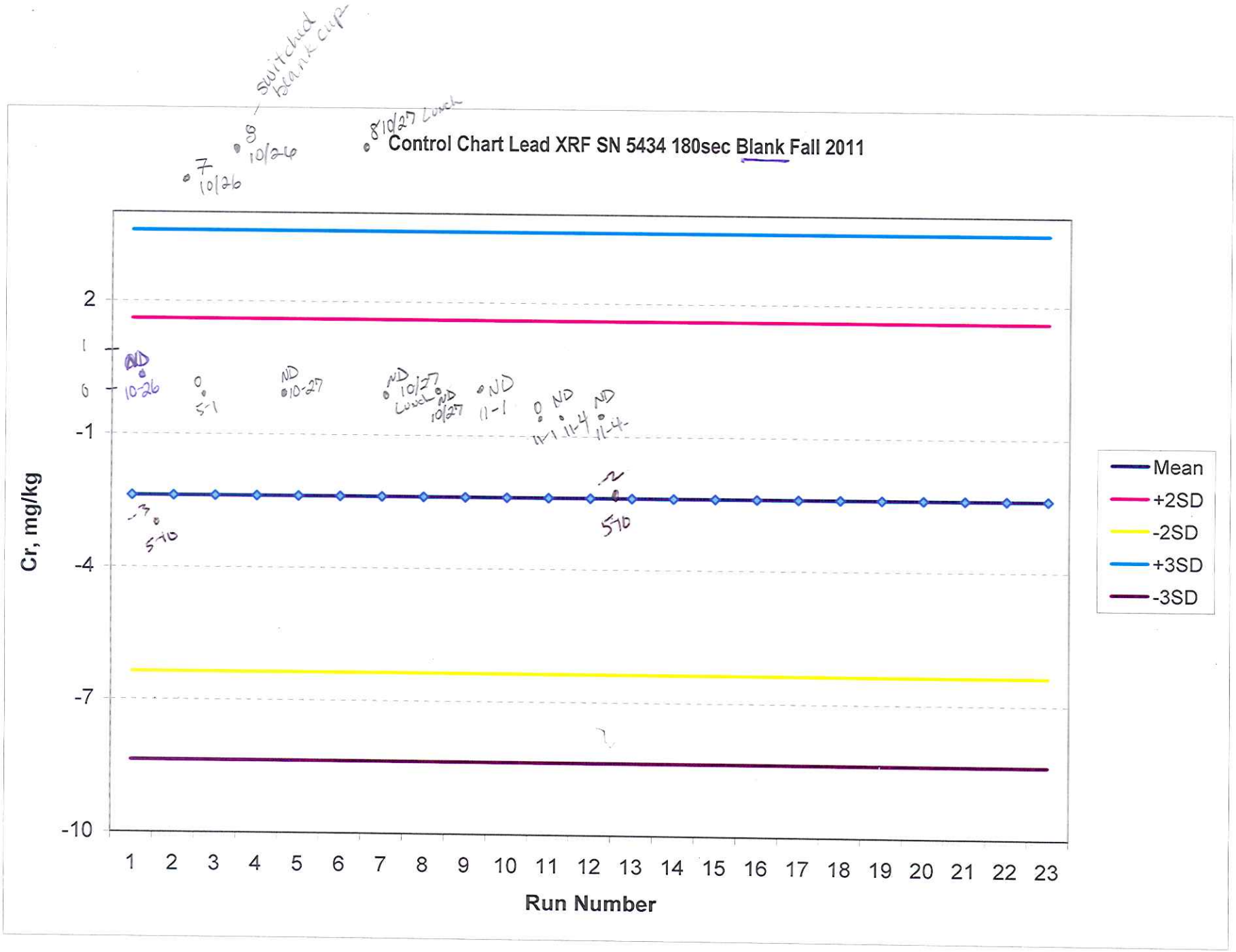
UPDATED 12-6-11

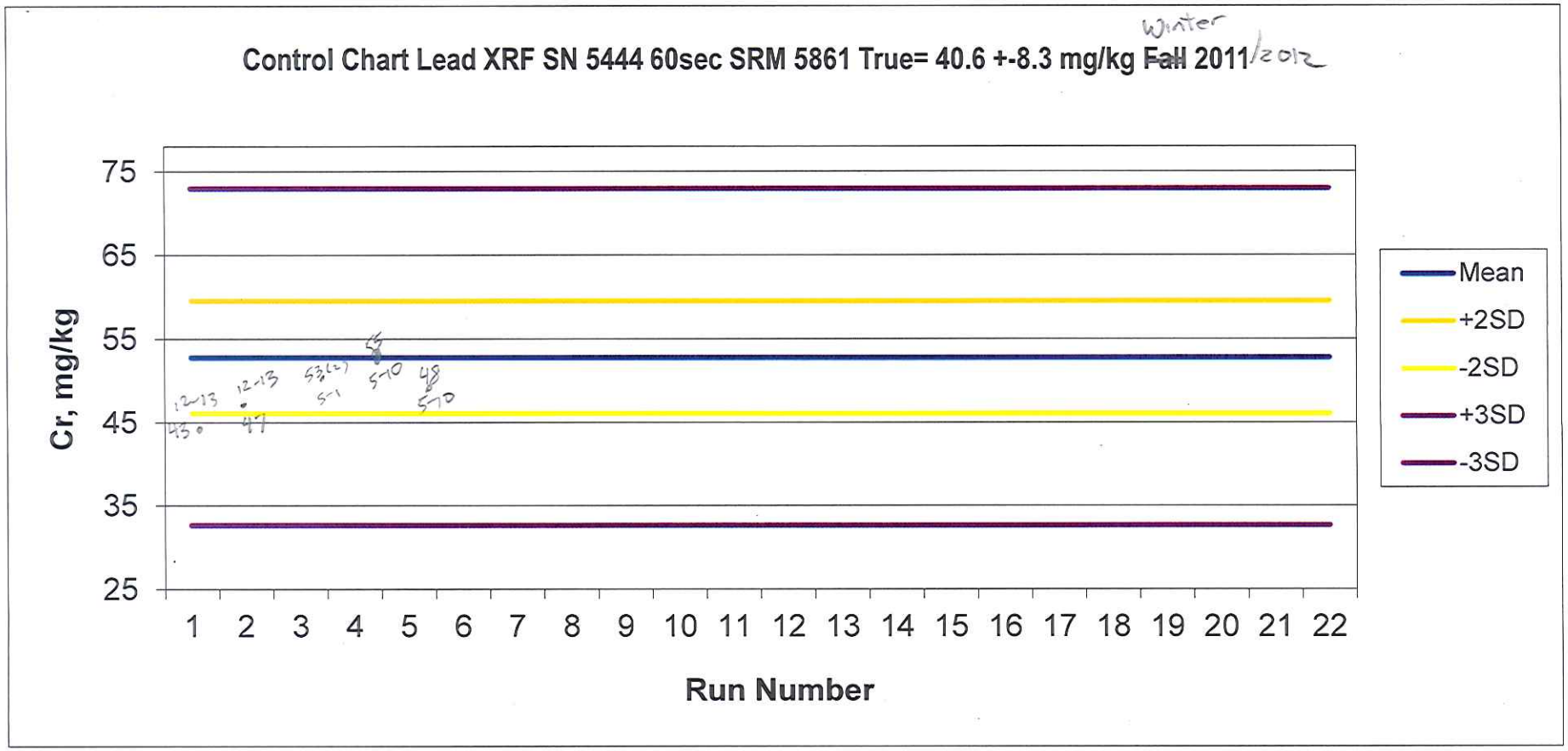


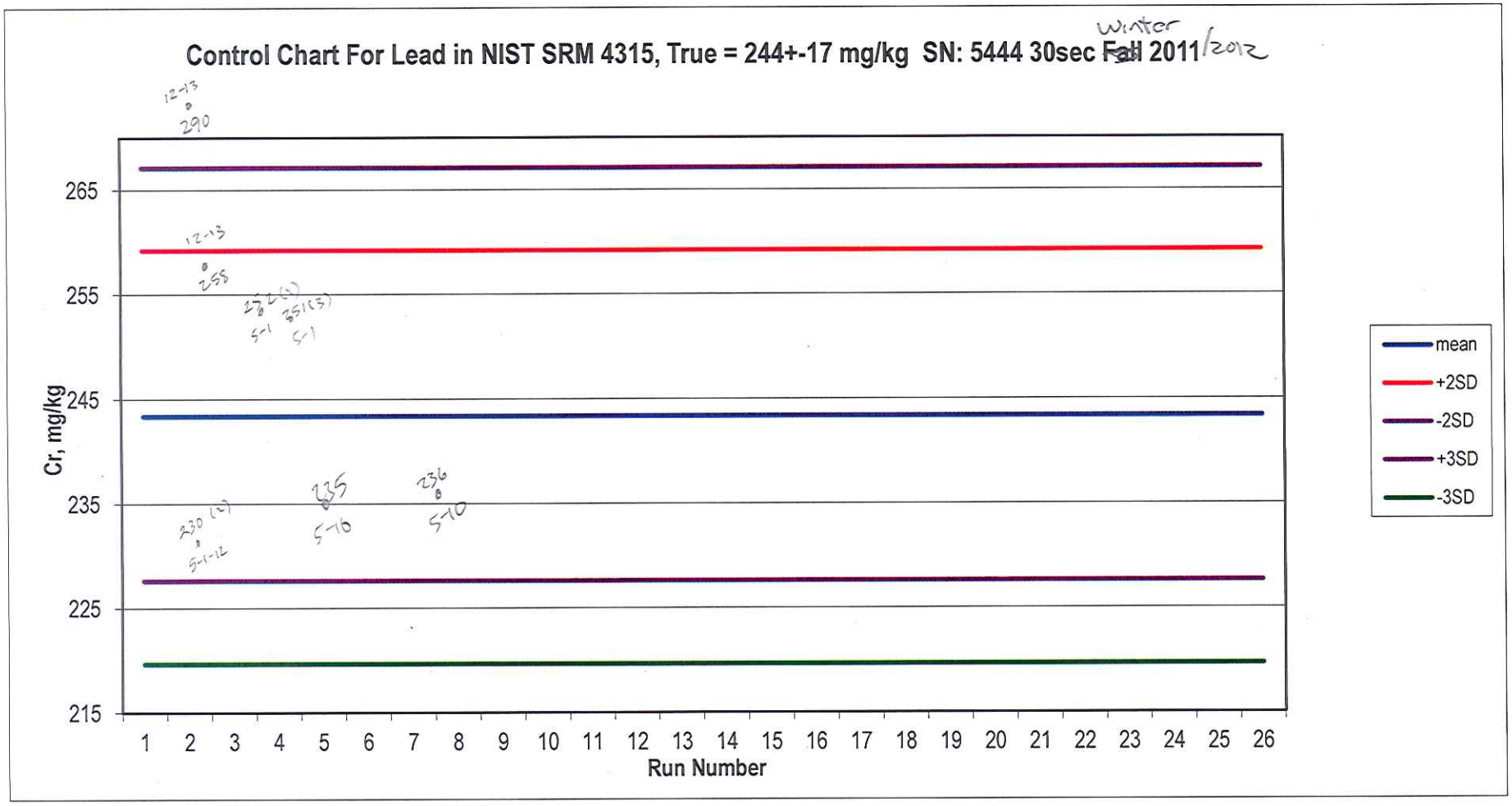
Control Chart Chromium XRF SN 5434 60sec SRM 2711 True= 1162+- 31 mg/kg Fall 2011

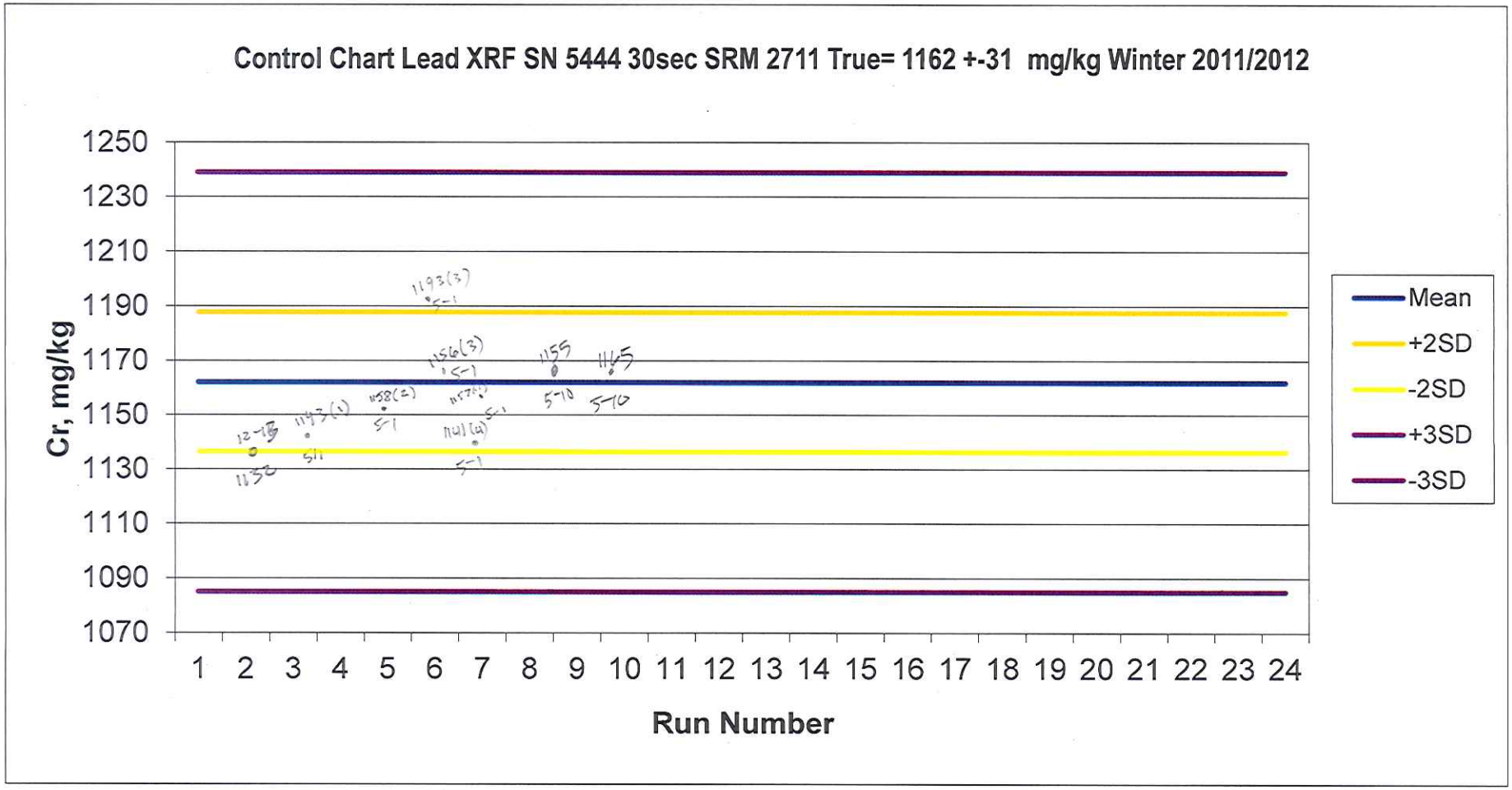


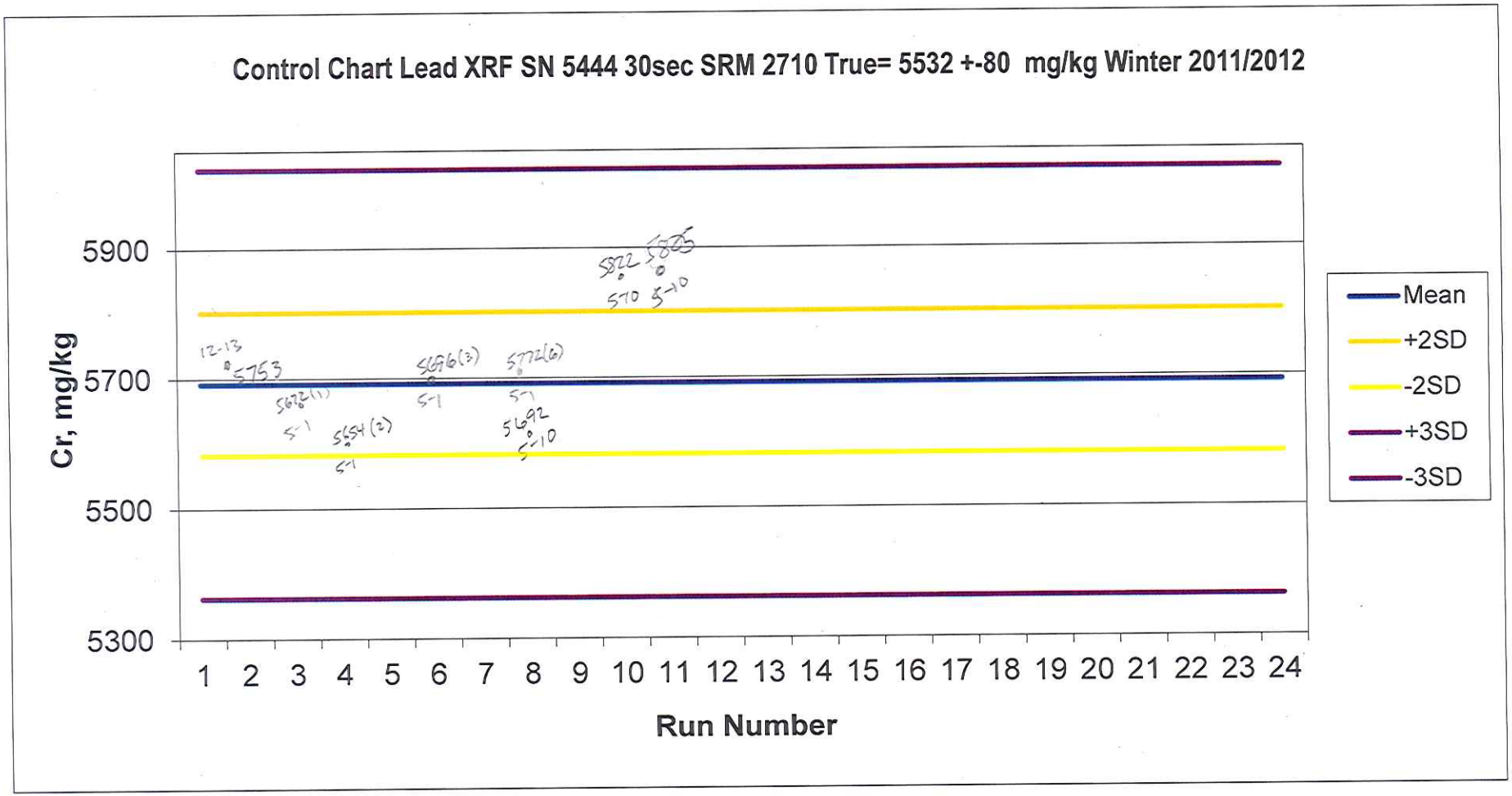

Control Chart Lead XRF SN 5434 60sec SRM 27103212 True= 5532+- 80 mg/kg Fall 2011
Cr, mg/kg
6400
6200
6000
5800
5600
5400
5200
5000
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Run Number
Mean
+2SD
-2SD
+3SD
-3SD

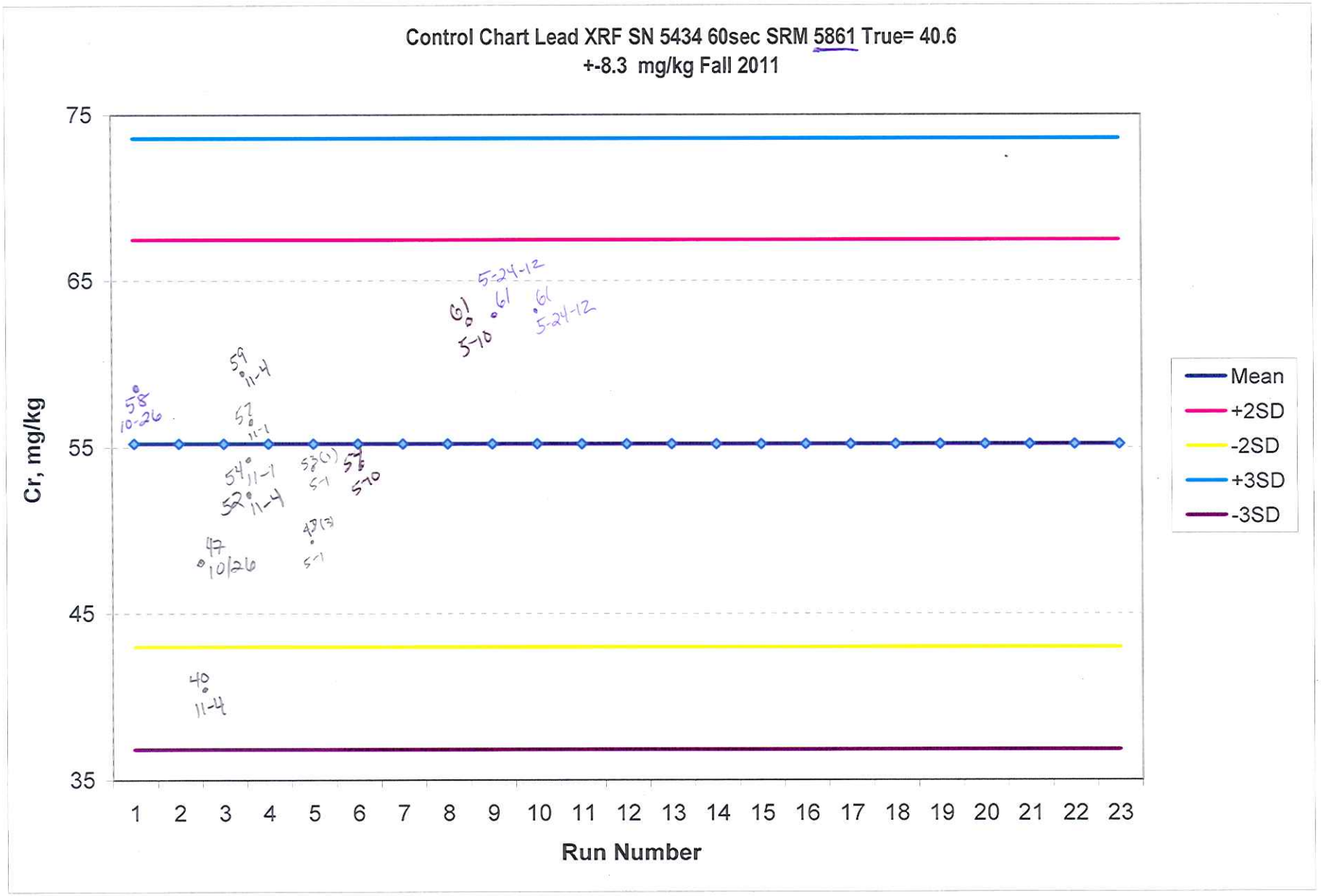

Control Chart Lead XRF SN 5434 180sec Blank Fall 2011
Cr, mg/kg
Run Number
2
1
0
-1
-4
-7
-10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Mean
+2SD
-2SD
+3SD
-3SD
switched blank cup
7 10/26
8 10/26
8 10/27 Lunch
ND 10-26
0 5-1
ND 10-27
ND 10/27 Lunch
ND 10/27
ND 11-1
0 ND 11-1 11-4
ND 11-4
-3 5-10
5-10


Control Chart Lead XRF SN 5444 60sec SRM 5861 True= 40.6 +-8.3 mg/kg ~~Fall~~ Winter 2011/2012
Cr, mg/kg
75
65
55
45
35
25
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
Run Number
Mean
+2SD
-2SD
+3SD
-3SD

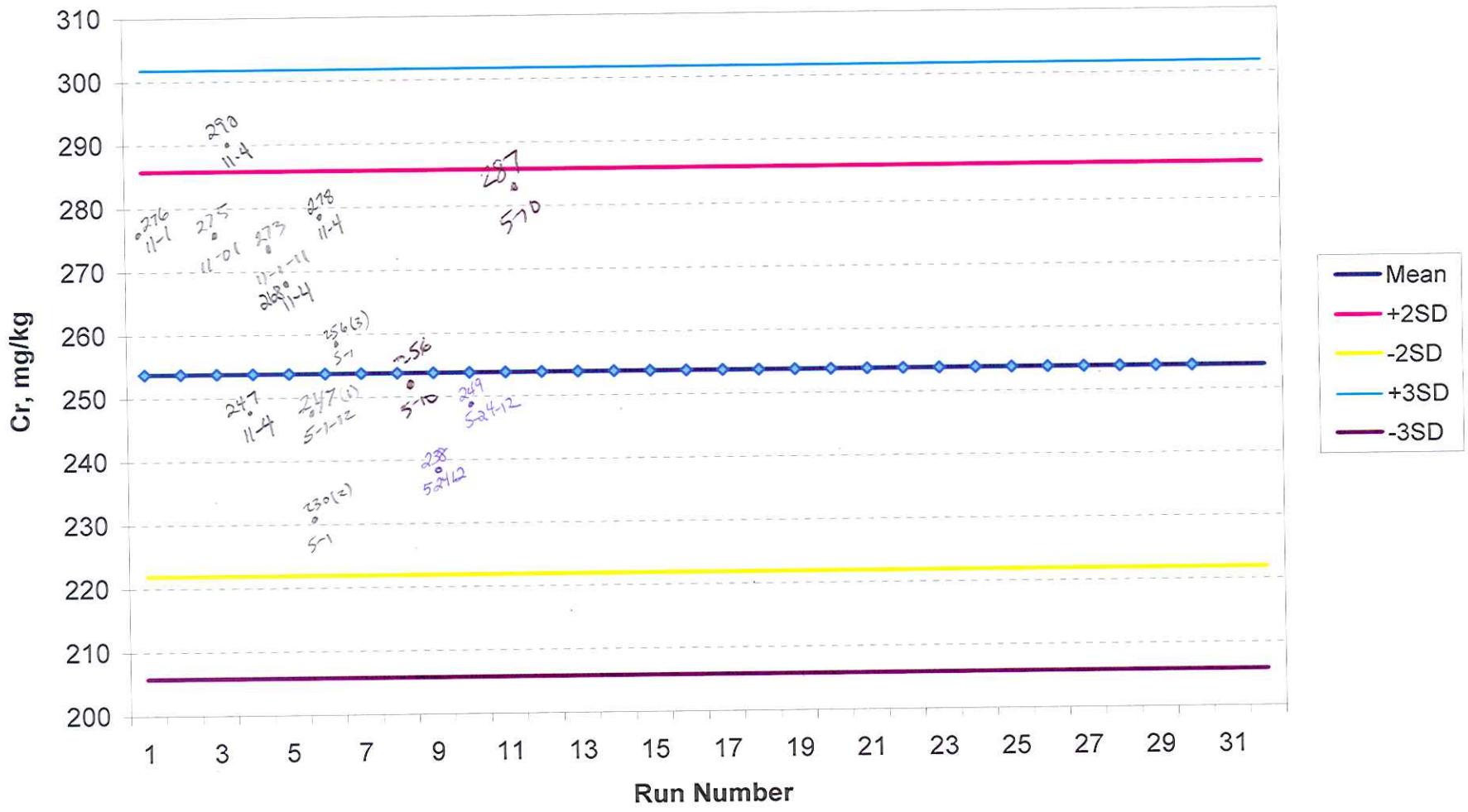

Control Chart For Lead in NIST SRM 4315, True = 244+-17 mg/kg SN: 5444 30sec ~~Fall~~ Winter 2011/2012
12-13
290
12-13
258
252(2)
5-1
251(3)
5-1
230 (2)
5-1-12
235
5-10
236
5-10
265
255
245
235
225
215
Cr, mg/kg
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
Run Number
mean
+2SD
-2SD
+3SD
-3SD

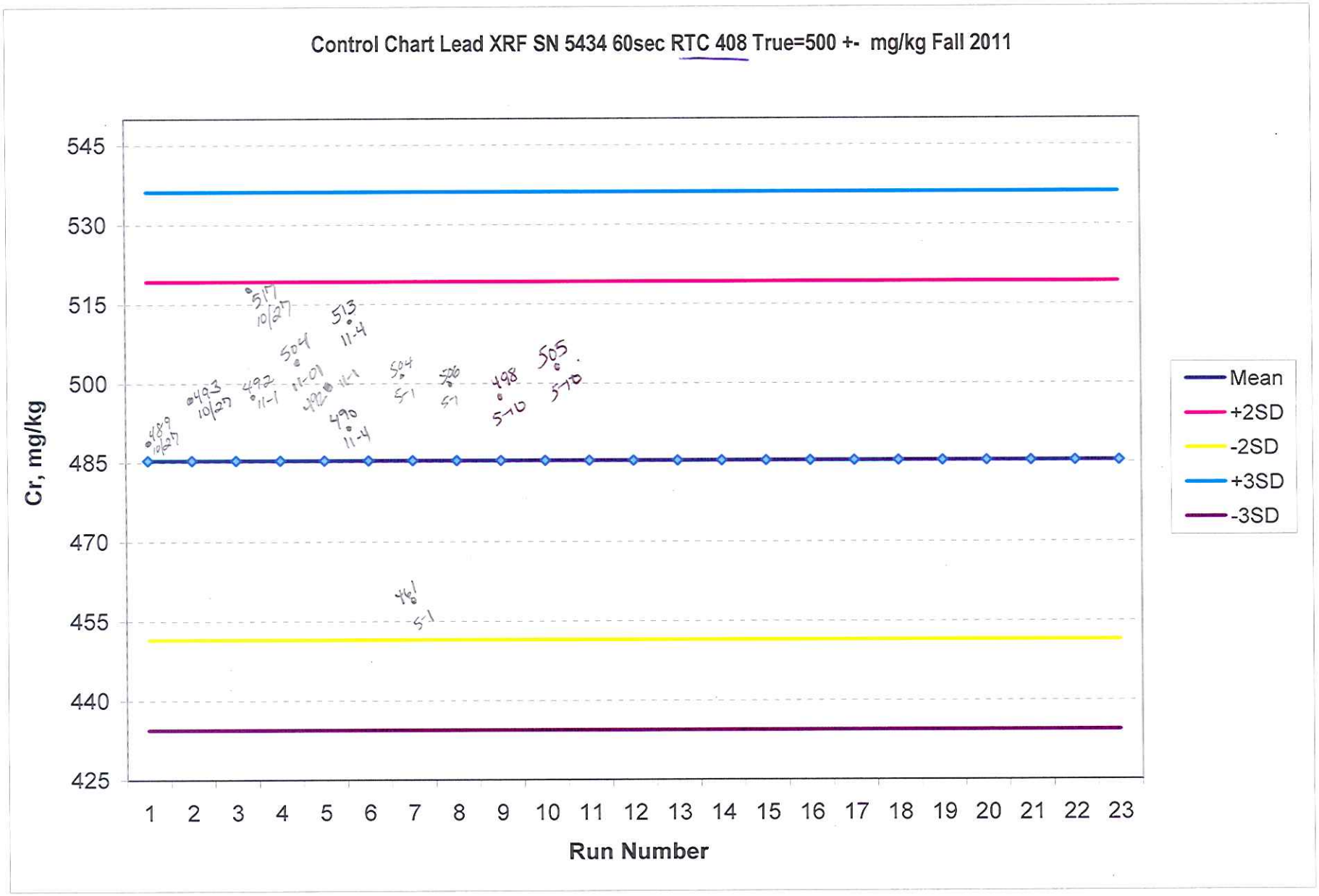

Control Chart Lead XRF SN 5444 30sec SRM 2711 True= 1162 +-31 mg/kg Winter 2011/2012
Cr, mg/kg
1250
1230
1210
1190
1170
1150
1130
1110
1090
1070
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Run Number
Mean
+2SD
-2SD
+3SD
-3SD


Control Chart Lead XRF SN 5444 30sec SRM 2710 True= 5532 +-80 mg/kg Winter 2011/2012
Cr, mg/kg
5900
5700
5500
5300
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Run Number
Mean
+2SD
-2SD
+3SD
-3SD


Control Chart Lead XRF SN 5434 60sec SRM 5861 True= 40.6
+-8.3 mg/kg Fall 2011
Cr, mg/kg
75
65
55
45
35
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Run Number
Mean
+2SD
-2SD
+3SD
-3SD
58 10-26
59 11-4
57 11-1
54 11-1
52 11-4
47 10/26
40 11-4
58(1) 5-1
57 5-10
48(3) 5-1
61 5-10
61 5-24-12
61 5-24-12

Control Chart For Lead in NIST SRM 4315, True = 244+- 17 mg/kg SN: 5434 60sec Fall 2011




Control Chart Lead XRF SN 5434 60sec RTC 408 True=500 +- mg/kg Fall 2011
Cr, mg/kg
545
530
515
500
485
470
455
440
425
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Run Number
Mean
+2SD
-2SD
+3SD
-3SD