

United States Environmental Protection Agency Region 4





35TH AVENUE REMOVAL INVESTIGATION BIRMINGHAM, ALABAMA JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of

Inclusive Dates: 01-21-13 to 01/25/2013

List of Sampling Team in logbook:

Initials

Name

(b)

Organization/Duties

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Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBOSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (≤) 5,000 square feet the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than (>) 5,000 square feet and ≤ ¼acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over ¼-acre in parcel lot size will be divided into ¼-acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

HP0320

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC-110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The *station ID* for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with "A".

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The *sample ID* for each sample is the station ID with "CS" (composite soil), "GS" (grab soil), "SD" (sediment), or "SW" (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a "D" to the end of the sample ID. Pan splits will be identified by appending an "SP" to the end of the sample ID.

(b) (6) PROPERTY ID: HP0320 ADDRESS: ARRIVAL TIME: 0930 121 DATE: Other pertinent information (weather conditions, etc.): OF 4 15 75 **PROPERTY COMMENTS:** Schoo Grid for property sketch Drix N-1(6ab · A-2 B-1 AI A-3 A-S A-4 AB-5 8-4 . c-1 Building E-5 .82 ·E-F-3 Veg. Garler F-1, F2, F3

STATION ID: <u>HP03207</u> SAMPLE ID: <u>HP03</u>	<u>20A</u> -C
SAMPLE COLLECTION TIME: 0941	
Description of sample location (front back, side yard; vegetable garden; play set; ditch, etc):	
Collection: Composite or Grab MS/MSD? Y or N	ъ.
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	
GPS Coordinates: Trimble [] Instrument #: 018594 Logged Y or N	
Aliquot #1: Latitude:N Longitude	W
Media description: Sandy Med brown Clay Mixture	
Aliquot #2 Latitude:N Longitude	W
Media description: Sandy med brown clay mixture	Ð
Aliquot #3: Latitude:N Longitude	W
Media description: Sandy med brown clay mixture	e
Aliquot #4: Latitude:N Longitude	W
Media description: Sandy med brown alay mixtur	e
Aliquot #5: Latitude:N Longitude	W
Media description: Sandy med brown Clay mixture	2
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STATION ID:	13-00
SAMPLE COLLECTION TIME: <u>0949</u> Description of sample location (front) back, side yard; vegetable garden; play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or N	<u>, 13-CS</u>
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SAMPLE COLLECTION TIME: 0949 Description of sample location (front) back, side yard; vegetable garden; play set; ditch, etc): Collection: composite or Grab MS/MSD? Y or N Field Duplicate or Split: Yes Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [VInstrument #: OI 8599 Logged? Aliquot #1: Latitude: N Longitude N Media description: DK Drwon Si Hy Soi N Aliquot #2 Latitude: Media description: DK Drwon Si Hy Soi N Longitude N Media description: DK Image: N N Longitude Media description: DK Image: N N Longitude	W
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ADDRESS:	PROPERTY ID: HP0320
DATE: 1/21/13	ARRIVAL TIME: 0930
Other pertinent information (weather condit	tions, etc.):
PROPERTY COMMENTS:	
School	
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Grid for property sketch	
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STATION ID: HP0320C SAMPLE ID: H	26320C - C
SAMPLE COLLECTION TIME: 1000	
Description of sample location (front, lack, side yard; vegetable garden; play set; ditch,	etc):
SIDEYARD	
Collection: Composite or Grab MS/MSD?	Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	
GPS Coordinates: Trimble [] Instrument #: 018594 Logged? () c	or N
Aliquot #1: Latitude:N Longitude	W
Media description: med brown Clay Mixture w/ gra	vel
Aliquot #2 Latitude:N Longitude	W
Media description: mod brown clay mixture w/	gravel
Aliquot #3: Latitude:N Longitude	W
Media description: Mad brown along mixture up	grave 1
Aliquot #4: Latitude:N Longitude	W
Media description: mad brawn clay mixture al	grave/
Aliquot #5: Latitude:N Longitude	W
Media description: Med brown Clay mixture w/g	Travel
SAMPLE COLLECTION TIME: 0954 SAMPLE ID: HP	0320D-CS
MEIL	0320D-CS
SAMPLE COLLECTION TIME: 0954	
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side, and; vegetable garden; play set; ditch, or Collection: Composite Or Grab MS/MSD? Yes Field Duplicate or Split: Yes Or If yes, indicate Duplicate/split sample station ID:	Y or N
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side, and; vegetable garden; play set; ditch, o Collection: Composite or Grab MS/MSD?	Y or N
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side, and; vegetable garden; play set; ditch, or Collection: Composite Collection: Composite Or Grab MS/MSD? MS/MSD? Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: 018894 Logged? Yo Aliquot #1: Latitude:	Y or N or N W
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side and; vegetable garden; play set; ditch, or Collection: Composite Or Grab MS/MSD? Field Duplicate or Split: Yes Of Source No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: 018894	Y or N or N W
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side, and; vegetable garden; play set; ditch, or Collection: Composite Collection: Composite Or Grab MS/MSD? MS/MSD? Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: 018594 Aliquot #1: Logged? Media description: DK Druct Soil Sancely Aliquot #2 Latitude: N N Longitude	Y or N w W
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side, ard; vegetable garden; play set; ditch, or Collection: Composite Collection: Composite or Grab MS/MSD? MS/MSD? Field Duplicate or Split: Yes Yes or No If yes, indicate Duplicate or Split: Yes Yes or Moliguot #1: Latitude: Media description: DK Drwn Soil Sancly	Y or N w W W
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side ard; vegetable garden; play set; ditch, or Collection: Composite or Grab MS/MSD? Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: 018594 Aliquot #1: Latitude: N Longitude Media description: DK br won Soil Aliquot #2 Latitude: N Longitude Media description: DK br won Soil Aliquot #3: Latitude: N Longitude	Y or N w W W
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SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, side and; vegetable garden; play set; ditch, or Collection: Composite Collection: Composite Or Grab Field Duplicate or Split: Yes Vessor No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble Instrument #: 018599 Logged? Yoo Aliquot #1: Latitude: Media description: DK Drwn Soill Sancly Aliquot #2 Latitude: Media description: DK Drwn Soill Sancly Aliquot #3: Latitude: N Media description: DK Drwn Clary	Y or N w W W W W
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, pack, side ard; vegetable garden; play set; ditch, or Collection: Composite Collection: Composite Or Grab Field Duplicate or Split: Yes Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Yoo Aliquot #1: Latitude: Media description: DK DK Drwn Soill Sancly Aliquot #2 Latitude: Media description: DK Drwn Soill Sancly Aliquot #3: Latitude: N Longitude Media description: DK DK Drwn Clary Aliquot #4: Latitude: N Longitude Media description: DK Drwn Clary	Y or N w W W W W W
SAMPLE COLLECTION TIME: 0954 Description of sample location (front, back, sintrard; vegetable garden; play set; ditch, or Collection: Composite Collection: Composite Or Grab Field Duplicate or Split: Yes Yes or Modia description: Dr Media description: Dr Dr Soil Sample location N Longitude Media description: Dr Dr N Longitude Media description: Dr Dr Dr Media description: Dr Media description: Dr Media description: N Longitude Media description: N Longitude Media description: N Longitude Media description: N Longitude	Y or N w W W W W W W

PROPERTY ID: HP0322 ADDRESS: ARRIVAL TIME: _____0930 21/13 DATE: Other pertinent information (weather conditions, etc.): 47°F, Sunni **PROPERTY COMMENTS:** School Grid for property sketch · J-5 = J-4 · J-3 . 7-2 N-1 (grab) DANGWA vallun 5. Schod Building ·++1 62 GN ·G-5

1009	
SAMPLE COLLECTION TIME: 1009	
Description of sample location (front, back) side yard; vegetable garden; play set; ditch, etc):	
Collection: Composite or Grab MS/MSD? Y or (N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	1120
GPS Coordinates: Trimble [1] Instrument #: 018594 Logged? Y or N	
Aliquot #1: Latitude:N Longitude	
Media description: DK brun SiHy Soil	
Aliquot #2 Latitude:N Longitude	W
Media description: DK bruch Silty Soil	
Aliquot #3: Latitude:N Longitude	W
Media description: DK brown Silty Soil	
Aliquot #4: Latitude:N Longitude	W
Media description: DK brun Si Hy Soil	
Aliquot #5: Latitude:N Longitude	W
DY I CILLI O II	
	320F-
STATION ID: <u>HP0320F</u> SAMPLE COLLECTION TIME: <u>1013</u>	320F-
STATION ID: <u>HP0320F</u> SAMPLE COLLECTION TIME: <u>1013</u> Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):	320F-
STATION ID: <u>HP0320F</u> SAMPLE COLLECTION TIME: <u>1013</u> Description of sample location (front, back, side yard; vegetable garden: play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or	320F-
STATION ID: <u>HPO320F</u> SAMPLE COLLECTION TIME: <u>1013</u> Description of sample location (front, back, side yard; vegetable garden: play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	320F-
STATION ID: HP0320F SAMPLE ID: HP0 SAMPLE COLLECTION TIME: 10/3 Description of sample location (front, back, side yard; vegetable garden: play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [1/2 Instrument #: 018594 Logged? Y or N	°320F-(
STATION ID: HP0320F SAMPLE ID: HP0 SAMPLE COLLECTION TIME: 10/3 Description of sample location (front, back, side yard; vegetable garden: play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [1] Instrument #: 018594 Logged? Y or N Aliquot #1: Latitude: N Longitude N Longitude	320F-
STATION ID: <u>HPO320F</u> SAMPLE ID: <u>HPO</u> SAMPLE COLLECTION TIME: <u>1013</u> Description of sample location (front, back, side yard; vegetable garden: play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or Collection: Composite or Grab MS/MSD? Y or Cield Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [1/2 Instrument #: <u>018594</u> Logged? Y or N Aliquot #1: Latitude: N Longitude Media description: Brach Soil W/2 DHS	320F-
STATION ID: HP0320F SAMPLE ID: HP0 SAMPLE COLLECTION TIME: 1013 Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	220F-
STATION ID: HPO320F SAMPLE ID: HPO SAMPLE COLLECTION TIME: 1013	220F-
STATION ID: HPO320F SAMPLE ID: HPO SAMPLE COLLECTION TIME: 1013	220F-
STATION ID: HPO320F SAMPLE ID: HPO SAMPLE COLLECTION TIME: 1013 Description of sample location (front, back, side yard; vegetable garden) play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or Collection: Composite or Ms/MSD? Y or N Collection: Composite or Ms/MSD? Y or N Collection: Ms/mstrument #: O18594 Logged? Y or N Collection: Bruch Soi 1 W/ Difs <o7< td=""> Gravel Media description: Bruch Soi 1 W/ Difs<o7< td=""> Gravel <</o7<></o7<>	<u>320F</u> - (
STATION ID: HPO320F SAMPLE ID: HPO SAMPLE COLLECTION TIME: 1013	<u>320F</u> - (
STATION ID: HPO320F SAMPLE ID: HPO SAMPLE COLLECTION TIME: 1013 Description of sample location (front, back, side yard; vegetable garden) play set; ditch, etc): Collection: Composite or Grab MS/MSD? Y or Grab Collection: Composite or Grab MS/MSD? Y or Grab Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [V Instrument #: 018594 Logged? (Y or N Aliquot #1: Latitude: N Longitude Media description: Brun Soil W DHS OF gravel Aliquot #2 Latitude: N Longitude Media description: Brun Soil W DHS OF gravel Aliquot #3: Latitude: N Longitude Media description: Brun Soil W DHS OF gravel Aliquot #4: Latitude: N Longitude Media description: Brun Soil W DHS OF gravel Media description:	220F-(

	1(0000)
ADDRESS:	PROPERTY ID: HP0320
DATE: $1/21/13$ A	RRIVAL TIME: 0930
Other pertinent information (weather conditions, etc.):	
Sunny, 470F	
PROPERTY COMMENTS:	
School	
14	
Sector Sector Sector	
Grid for property sketch	
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STATION ID: HP03209	SAMPLE ID: HP0320G-C
SAMPLE COLLECTION TIME: _/0/7	
Description of sample location (front back, sid	a varde varatable gardan, play sate ditab ata);
Description of sample location (from back, sid	e yaru, vegetable garuen, pray set, uten, etc).
Collection: Composite or Grab	MS/MSD? Y of N
Field Duplicate or Split: Yes or No If yes, indic	cate Duplicate/split sample station ID:
GPS Coordinates: Trimble [] Instrument #:	018594 Logged? Y or N
Aliquot #1: Latitude:	N LongitudeW
Media description: med bhun	Sand SIlt mixture up gravel
Aliquot #2 Latitude:	N Longitude W
Media description: med brau	n sand silt mixture w/ gravel
Allquot #3: Latitude:	N Longitude W
Media description: ined bru	in sand sitt mixture up graves
Aliquot #4: Latitude:	N Longitude W
Media description: med brui	sand silt mixture uf graves
Aliquot #5: Latitude:	N Longitude W
Media description: Med brun	Sand Silt mixture upgravel
STATION ID: <u>HP0320H</u> SAMPLE COLLECTION TIME: <u>1019</u> Description of sample location (front, back, sid	SAMPLE ID: <u>HHO320H-</u> e yard; vegetable garden; play set; ditch, etc):
Collection: Composite or Grab	MS/MSD? Y of N
Field Duplicate or Split: Yes or No If yes, indic	cate Duplicate/split sample station ID:
GPS Coordinates: Trimble M Instrument #:	0/8594 Logged? (Y) or N
Aliquot #1: Latitude:	N LongitudeW
Media description: DK brwn l	black Stained silty clay wet
Aliquot #2 Latitude:	N LongitudeW
Media description: DE brun bl	IK stained silty day wet
Media description: Brun Silt	N LongitudeW Y Clay W coal Fragments wet
Aliquot #4: Latitude:	N Longitude W
Media description: Brun SILA	y clay u/ coal Fragments wet
Aliquot #5: Latitude:	N Longitude W Y Clay of Coal Hagments W
Media description: Brach SH	y clay of coal tragments we

ADDRESS:	PRO	PROPERTY ID: HP03			
DATE: 1/21/13					
' Other pertinent information (weath	er conditions, etc.):				
470F, Sun	nel				
PROPERTY COMMENTS:	5				
Sabool					
30001	018584				
Grid for property sketch					
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STATION ID: <u>HPO320</u> SAMPLE ID: <u>HPO320</u>	-~
SAMPLE COLLECTION TIME: 1024	
Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):	
Collection: Composite or Grab MS/MSD? Y or N	
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	
GPS Coordinates: Trimble [Instrument #: 018594 Logged? (Y) or N	
Aliquot #1: Latitude:W	
Media description: DK brown Sitty Soil	
Aliquot #2 Latitude:W	
Media description: DK brun Silty Soil	
Aliquot #3: Latitude: N Longitude W	
Media description: Black Silly Soil Aliquot #4: Latitude: N Longitude W	
Aliquot #4: Latitude: N Longitude W Media description: DK brun Silty Soil	
Aliquot #5: Latitude: N Longitude W	
Media description: DK brwn Silty Soil	
STATION ID: <u>HP0320</u> SAMPLE ID: <u>HP0320J-(</u> SAMPLE COLLECTION TIME: <u>1022</u> Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):	<u>:</u> 0
Collection: Composite or Grab MS/MSD? Y or N	_
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	
GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N	
Aliquot #1: Latitude:W	
Media description: DK brun to blck Silty Soil w/ gravel	
Aliquot #2 Latitude: N Longitude W	
Media description: DK brun to blck SiltySoil upgravel	
Aliquot #3: Latitude: N Longitude W Media description: DK brun to blclc Silty Soil u/gravel	
Modia decominations IN BRUD TO DICIL VIEL VIEL IN OVERILE	
Aliquot #4: Latitude: NLongitude W	,
Aliquot #4: Latitude: N Longitude W Media description: DK bruch to b/K SiHY Soil W grave	/
Aliquot #4: Latitude: NLongitude W	/

ADDRESS:		-		5 6	PROPERTY ID		
DATE:			AR	RIVAL TIN	1E:	RÅ	
Other pertinent inf	formation (we	ather con	nditions, etc.):				
			,,				
PROPERTY CO	MMENTS:						
	2002 -						1 4 4
0 1 10							
Grab HPQ	320L to	eken	base c	of chile	beneath th	thereas	B
aclay	layer	4	Diastic	larter	beneath the	eque	2
			Pu	0.		0	
Grid for proper	rty sketch						
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Page 16 of 65

SAMPLE COLLECTION TIME:	1028	
	t, back, side yard; vegetable garden; play set; ditch, etc	:):
Collection: Composite or Gra	ab MS/MSD? Y	orN
Field Duplicate or Split: Yes or No	If yes, indicate Duplicate/split sample station ID:	
	ument #: 018594 Logged? Y or	N
	N Longitude	W
Media description: DK br	in to blk sitty clay to sitt u	let
Aliquot #2 Latitude:	N Longitude	W
Media description:		
	N Longitude	W
Media description:		
	N Longitude	W
Media description:		
	N Longitude	W
Media description:		
	SAMPLE ID: <u>HPO</u>	
STATION ID:	0110	
SAMPLE COLLECTION TIME:	1043_ t, back, side yard; vegetable garden; play set; ditch, etc	>
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No	1043	orN
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No	1043 t, back, side yard; vegetable garden; play set; ditch, etc MS/MSD? Y	orN
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No GPS Coordinates: Trimble [\] Instru Aliquot #1: Latitude:	$\frac{1043}{\text{MS/MSD? Y}}$ $\frac{1043}{\text{MS/MSD? Y}}$ $\frac{1043}{\text{MS/MSD? Y}}$ $\frac{100}{\text{MS/MSD? Y}}$ $\frac{100}{\text{MS/MSD? Y}}$ $\frac{100}{\text{MS/MSD? Y}}$ $\frac{100}{\text{MS/MSD? Y}}$ $\frac{100}{\text{MS/MSD? Y}}$	or N N
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No GPS Coordinates: Trimble [\] Instru Aliquot #1: Latitude: Media description:	1043_ t, back, side yard; vegetable garden; play set; ditch, etc MS/MSD? Y If yes, indicate Duplicate/split sample station ID: ument #: Logged? (Y) or N Longitude Id ish brwn Clay wlgravel	or N N
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No GPS Coordinates: Trimble [\] Instru Aliquot #1: Latitude: Media description:	1043_ t, back, side yard; vegetable garden; play set; ditch, etc MS/MSD? Y If yes, indicate Duplicate/split sample station ID: ument #: Logged? (Y) or N Longitude Id ish brwn Clay wlgravel	N A sand
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SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite Collection: Composite Field Duplicate or Split: Yes Field Duplicate or Split: Yes GPS Coordinates: Trimble [\scilor] Instru Aliquot #1: Latitude:	1043_ t, back, side yard; vegetable garden; play set; ditch, etc MS/MSD? Y If yes, indicate Duplicate/split sample station ID: Iment #: Logged? Y or N Longitude N Longitude N Longitude	N Y Sand W
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No GPS Coordinates: Trimble [\] Instru Aliquot #1: Latitude: Media description: Media description: Aliquot #3: Latitude: Media description:	1043_ t, back, side yard; vegetable garden; play set; ditch, etc ab MS/MSD? Y If yes, indicate Duplicate/split sample station ID: ument #: 018594 Logged? Y or N Longitude N Longitude N Longitude N Longitude	N Sand W W
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No GPS Coordinates: Trimble [\] Instru Aliquot #1: Latitude: Media description: Aliquot #2 Latitude: Media description: Aliquot #3: Latitude: Media description: Aliquot #4: Latitude:	1043_ t, back, side yard; vegetable garden; play set; ditch, etc ms/MSD? Y If yes, indicate Duplicate/split sample station ID: ument #: 018594 Logged? Y or N Longitude N Longitude N Longitude N Longitude N Longitude N Longitude	N Sand W W
SAMPLE COLLECTION TIME: Description of sample location (front Collection: Composite or Gra Field Duplicate or Split: Yes or No GPS Coordinates: Trimble [\] Instru Aliquot #1: Latitude: Media description: Aliquot #2 Latitude: Media description: Aliquot #3: Latitude: Media description: Media description: Aliquot #4: Latitude: Media description:	1043_ t, back, side yard; vegetable garden; play set; ditch, etc ms/MSD? Y If yes, indicate Duplicate/split sample station ID: ument #: 018594 Logged? Y or N Longitude N Longitude N Longitude N Longitude N Longitude N Longitude	or N N Sand W W W

ADDRESS: ______PROPERTY ID: _____

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DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

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- բախվարհակարհարհ վոր հայրվերը է, որ ներ երկությունը հարկարությունների կարակարհարհարհարհարհարհարհարհարհարհարհարհ
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ւ հավութակության բարձարի է պիսզարին ինչին բարձանելով է ինդիները վեր է մինչին հայտարի հայտերին է հայտված վեր տես հայտված վել

STATION ID: HP0320 1	SAMPLE ID: HP0320M-GS
SAMPLE COLLECTION TIME: 1050	
Description of sample location (front, back, s	side yard; vegetable garden; play set; ditch, etc):
Playground in Front	jungle gym
Collection: Composite or Grab	MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, in	udicate Duplicate/split sample station ID:
GPS Coordinates: Trimble [] Instrument #:	Ol8594 Logged? Y or N
Aliquot #1: Latitude:	N LongitudeW
Media description: Red clay	with coal Fragments damp
Aliquot #2 Latitude:	N LongitudeW
Media description:	
Aliquot #3: Latitude:	N LongitudeW
Media description:	
Aliquot #4: Latitude:	N LongitudeW
Media description:	
Aliquot #5: Latitude:	N LongitudeW
Media description:	
SAMPLE COLLECTION TIME: Description of sample location (front, back, s Drainage next (side yard; vegetable garden; play set; ditch, etc):
Collection: Composite or Grab	MS/MSD? Y of N
Field Duplicate or Split: Yes or No If yes, in	dicate Duplicate/split sample station ID:
<u> </u>	018894 Logged? (Y) or N
Aliquot #1: Latitude:)
Media description: Black	silty sediment wet
	N LongitudeW
Media description:	· · · · · · · · · · · · · · · · · · ·
Aliquot #3: Latitude:	
	N LongitudeW
Media description:	
Media description:	
Media description:	N LongitudeW
Media description:Aliquot #4: Latitude: Media description:	N LongitudeW
Media description:Aliquot #4: Latitude: Media description: Aliquot #5: Latitude:	N LongitudeW

ADDRESS: PROPERTY ID: _____ ARRIVAL TIME: DATE:

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

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STATION ID: <u>HP0320</u> <u>SAMPLE ID: HP03200-GS</u> SAMPLE COLLECTION TIME: <u>1035</u> Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Drainage next to culvert
Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:
GPS Coordinates: Trimble [1] Instrument #: 018594 Logged? Y) or N
Aliquot #1: Latitude: N Longitude W
Media description: DK brun Sandy Soil damp
Aliquot #2 Latitude: N Longitude W
Media description:
Aliquot #3: Latitude: N Longitude W
Media description:
Aliquot #4: Latitude:N LongitudeW
Media description:
Aliquot #5: Latitude:N LongitudeW
Media description:
STATION ID: HP0320 P SAMPLE ID: HP0320P-65
SAMPLE COLLECTION TIME: 1047
Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Outside of Fence; drainage grease of school on prop
Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:
GPS Coordinates: Trimble [Instrument #: 018594 Logged? (Y) or N
GPS Coordinates: Trimble [Instrument #: 018594 Logged? V or N Aliquot #1: Latitude: N Longitude W
GPS Coordinates: Trimble [Instrument #: 018594 Logged? (Y) or N
GPS Coordinates: Trimble [] Instrument #: O18594 Logged? Or N Aliquot #1: Latitude: N Longitude W Media description: Brun Sitty Soil wet W
GPS Coordinates: Trimble [V Instrument #: O18594 Logged? Vor N Aliquot #1: Latitude: N Longitude W Media description: Brun Si Hy Soil Wet W Aliquot #2 Latitude: N Longitude W
GPS Coordinates: Trimble [] Instrument #: O18594 Logged? Or N Aliquot #1: Latitude: N Longitude W Media description: Si Hy Soil Wet W Aliquot #2 Latitude: N Longitude W Media description: N Longitude W Aliquot #3: Latitude: N Longitude W
GPS Coordinates: Trimble [] Instrument #: O18594 Logged? ① or N Aliquot #1: Latitude: N Longitude W Media description: Brun Si Hy Soil Wet W Aliquot #2 Latitude: N Longitude W Media description: N Longitude W
GPS Coordinates: Trimble [V Instrument #: 0/8594 Logged? V or N Aliquot #1: Latitude: N Longitude W Media description: Brun Si Hy Soi / ULF W Aliquot #2 Latitude: N Longitude W Media description: N Longitude W Aliquot #3: Latitude: N Longitude W Media description: N Longitude W Media description: N Longitude W
GPS Coordinates: Trimble [] Instrument #: O18594 Logged? Or N Aliquot #1: Latitude: N Longitude W Media description: Brun Si Hy Soil wet W Aliquot #2 Latitude: N Longitude W Media description: N Longitude W Aliquot #3: Latitude: N Longitude W Media description: N Longitude W Aliquot #3: Latitude: N Longitude W Media description: N Longitude W Aliquot #4: Latitude: N Longitude W

ADDRESS:	PROPERTY ID:	
DATE:	ARRIVAL TIME:	

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

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TATION ID:HPO320 Q SAMPLE ID:HPO320	20Q-1
AMPLE COLLECTION TIME: $1/27$	
escription of sample location (front, back (side yard; vegetable garden; play set; ditch, etc):	
escription of sample location (from, back, side yard, vegetable garden, play set, unch, etc).	
ollection: Composite or Grab MS/MSD? Y or N	2000
eld Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	3200
PS Coordinates: Trimble [Instrument #: 08594 Logged? (Y) or N	
liquot #1: Latitude:N Longitude	
Media description: DK brun Clay wet	
liquot #2 Latitude:N Longitude	
Media description: Dr brun clay wet	
liquot #3: Latitude: N Longitude Media description: DC bun Olay wet	W
Media description: DC Drwn Olay Wet	
Iiquot #4: Latitude: N Longitude Media description: DC brun Olay wet	W
Media description: DC brun Olay wet	
liquot #5: Latitude:N Longitude	W
Media description: DR brun Clay wet	
TATION ID:	70P-
TATION ID: <u>HP0320 R</u> SAMPLE ID: <u>HP03</u>	ZUR
AMPLE COLLECTION TIME: 1191	
escription of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):	
ollection: Composite or Grab MS/MSD? Y or N)
HING	DORE
	ZORE
PS Coordinates: Trimble [Instrument #: 018594 Logged? () or N	2020
PS Coordinates: Trimble [Instrument #: 018594 Logged? () or N liquot #1: Latitude:N Longitude	2026 w
PS Coordinates: Trimble [Instrument #: 018594 Logged? () or N	W
PS Coordinates: Trimble [] Instrument #: <u>018594</u> Logged? (?) or N liquot #1: Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u> liquot #2 Latitude: <u>N Longitude</u>	
PS Coordinates: Trimble [] Instrument #: <u>018594</u> Logged? {} or N liquot #1: Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u> liquot #2 Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u>	W
PS Coordinates: Trimble [] Instrument #: <u>018594</u> Logged? (?) or N liquot #1: Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u> liquot #2 Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u> liquot #3: Latitude: <u>N Longitude</u>	W
PS Coordinates: Trimble [] Instrument #: <u>018594</u> Logged? {} or N liquot #1: Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u> liquot #2 Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u>	W
PS Coordinates: Trimble [] Instrument #: <u>018594</u> Logged? (?) or N liquot #1: Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u> liquot #2 Latitude: <u>N Longitude</u> Media description: <u>Sandy Clay Med brun</u> liquot #3: Latitude: <u>N Longitude</u>	W

Aliquot #5: Latitude:

Media description: Sandy

N Longitude Olay Med burn

W

A	D	D	R	ESS:
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PROPERTY ID: _____

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DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

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STATION ID: <u>HP0320</u> S SAMPLE ID: <u>HP0320</u>	S-CS
SAMPLE COLLECTION TIME: 1132	
Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):	
Collection: Composite or Grab MS/MSD? Y or N	
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:	
GPS Coordinates: Trimble [] Instrument #: 018594 Logged V or N	
Aliquot #1: Latitude:N Longitude	W
Aliquot #1: Latitude: N Longitude Media description: DK brun wet clay of coal tragment	S
Aliquot #2 Latitude: N Longitude Media description: DK bruch wet Clay of Coal Fragme	W
Media description: DR Brun wet clay of coal tragm	ent
Aliquot #3: Latitude: N Longitude Media description: DK brun wet clay a/ coal Fragme	W
Media description: De brun wet clay af coal tragmi	ents
Aliquot #4: Latitude:N Longitude	W
Media description: De brun wet clay up coal Fragmen	13
Aliquot #5: Latitude:N Longitude	W
Media description: Brun mud & Olay	
STATION ID:	-CS
	<u>-CS</u>
SAMPLE COLLECTION TIME: 1138	<u>-C</u> S
	<u>-C</u> S
SAMPLE COLLECTION TIME: 1138	<u>-CS</u>
SAMPLE COLLECTION TIME:	<u>-CS</u>
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back/side vard; vegetable garden; play set; ditch, etc): Collection: or Grab MS/MSD? Y or	<u>-CS</u>
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back side vard; vegetable garden; play set; ditch, etc): Collection: composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: N Longitude	
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back side vard; vegetable garden; play set; ditch, etc): Collection: composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: N Longitude	
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): Collection: composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: Of State N Longitude	W
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back side vard; vegetable garden; play set; ditch, etc): Collection: composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: Media description: Brun	W W
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back side vard; vegetable garden; play set; ditch, etc): Collection: composite or Grab Field Duplicate or Split: Yes or Yes or JIf yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [-] Instrument #: Of State N Longitude Media description: Brwn Of Main N Longitude Media description: Dawn Media description: N Longitude Media description: N Longitude Media description: N Longitude	W W
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back, side vard; vegetable garden; play set; ditch, etc): Collection: composite or Grab Field Duplicate or Split: Yes or Yes or If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [-Y Instrument #: Of Section: Brun Media description: Brun Media description: Brun Media description: Brun Media description: Brun The structure of t	W W
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): Collection: composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or Ø If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [-] Instrument #: Ø/SOURCE N Longitude Media description: Brwn O(ay) Aliquot #2 Latitude: Media description: Brwn O(ay) Aliquot #3: Latitude: Media description: Brwn O(ay) Aliquot #4: Latitude: N Longitude N Longitude Media description: N Longitude Media description: N Longitude	W W W
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back, side vard; vegetable garden; play set; ditch, etc): Collection: composite or Grab Field Duplicate or Split: Yes or D If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: 018594 Logged O or N Aliquot #1: Latitude: Media description: Brun C(an) Aliquot #2 Latitude: Media description: Brun C(an) Aliquot #3: Latitude: Media description: Brun O(an) Aliquot #3: Latitude: Media description: Brun O(an) Aliquot #4: Latitude: Media description: Brun O(an) Aliquot #4: Latitude: Media description: Brun O(an) Aliquot #4: Latitude: Media description: Brun O(an) Media description: Brun O(an) Media description: Brun O(an)	W W W
SAMPLE COLLECTION TIME: 1138 Description of sample location (front, back side vard; vegetable garden; play set; ditch, etc): Collection: composite or Grab MS/MSD? Y or Field Duplicate or Split: Yes or if yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [-] Instrument #: Of State N Longitude Media description: Brwn O(ay) Aliquot #2 Latitude: Media description: Brwn O(ay) Aliquot #3: Latitude: Media description: Brwn O(ay) Aliquot #4: Latitude: N Longitude N Longitude Media description: Manne O(ay) Aliquot #4: Latitude: N Longitude N Longitude	_W _W _W _W

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