

United States Environmental Protection Agency Region 4





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

FIELD SAMPLING LOGBOOK

Book $\frac{1}{2}$ of $\frac{1}{2}$ Inclusive Dates: $\frac{12/(3/12 - 12/19/12)}{12/19/12}$

List of Sampling Team in logbook:

Name	Initials	Organization/I	Outies
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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 (FBQSTP) 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 ≤ ¼-acre 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.

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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.

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vacant lot, east e	nd
Collection: (Composite) or Grab	MS/MSD? Y or N
Field Duplicate or Splitt Yes or No If yes, indicate Dupli	cate/split sample station ID: FM0274A - C5-5P
GPS Coordinates: Trimble Instrument #: 018	
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Media description: Dark, 51H	y, dayey, very vet
Aliquot #2 Latitude: 33. 56178553	N Longitude 86. 81273470 W
Media description:	
Aliquot #3: Latitude: 33.56(85838	
Media description:	e e
Aliquot #4: Latitude: 33.56176554	
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Aliquot #5: Latitude: 33. 56195134	
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ADDRESS:	PROPERTY ID:	
DATE:	ARRIVAL TIME:	
Other pertinent information (weather con	nditions, etc.):	
PROPERTY COMMENTS:		
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Grid for property sketch		

(b) (6)

	C5-	54
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SAMPLE COLLECTION TIME:		
Description of sample location (front, back, sid		etc):
Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indice	MS/MSD?	
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SAMPLE COLLECTION TIME: Description of sample location (front, back, sid Collection: or Grab	e yard; vegetable garden; play set; ditch, MS/MSD?	etc);
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ADDRESS:	PROPERTY ID:
DATE:	ARRIVAL TIME:
Other pertinent information (weather co	conditions, etc.):
PROPERTY COMMENTS:	I landa weed
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Grid for property sketch	

SAMPLE ID: FM-0298A SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc); MS/MSD? Y or N Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: Logged? Y or N N Longitude Aliquot #1: Latitude: W Media description: N Longitude Aliquot #2 Latitude: Media description: N Longitude W Aliquot #3: Latitude: Media description: N Longitude W Aliquot #4: Latitude: Media description: N Longitude W Aliquot #5: Latitude: Media description: STATION ID: SAMPLE ID: FIM - 0298 B SAMPLE COLLECTION TIME: ____ Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): MS/MSD? Y or N Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: GPS Coordinates: Trimble [] Instrument #: Logged? Y or N N Longitude W Aliquot #1: Latitude: Media description: Aliquot #2 Latitude: Media description: N Longitude Aliquot #3: Latitude: Media description:

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Media description:

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ADDRESS: (b) (6) PROPERTY ID: CV - 0449 12/12/12 ARRIVAL TIME: 1430 DATE: Other pertinent information (weather conditions, etc.): PROPERTY COMMENTS: single stoy, comer lot, large yard Grid for property sketch next gard BY Sled **3**3 B2 (b) (6) 0C2 A5 44 worse A3 DI Ã2 Fence

next house gand

(b) (6)

STATION ID:(b) (6)SAMPLE ID:CVOY49A - SAMPLE ID:	SP
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Collection: Composite or Grob MS/MSD2 V or N	SP
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV 0449A 59	
Coordinates. Timole [7] Institution #	
Aliquot #1: Latitude: 33.55527275 N. Longitude 86. F0063737 W Media description: mad Jun, sandy, Clayey, wet Aliquot #2 Latitude: 33.55538140 N. Longitude 86. 8006369/ W	
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Media description: Same	
Aliquot #3: Latitude: 33. 55534034 N Longitude 86. 80072860 W	
Media description:	
Aliquot #4: Latitude: 33.55538827 N Longitude 86.80085286 W	
Media description: Same Aliquot #5: Latitude: 33.55530130 N Longitude 86.80086000 W	
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SAMPLE COLLECTION TIME:	
Collection: Composite or Grab MS/MSD? Y or N Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0443 5 78	SP
GPS Coordinates: Trimble [] Instrument #: 018595 Logged? Yor N	
Aliquot #1: Latitude: 33 5553 9 129 N Longitude 86-8009 0068 W	
Media description: med 5rn, sandy, clayer, wet	
Aliquot #2 Latitude: 33. 55529815 N Longitude 86.80090363 W	
Media description:	
Aliquot #3: Latitude: 33.55534267 N Longitude 86.80097248 W	
Media description: Same Standing waster Aliquot #4: Latitude: 33. 55538411 N Longitude 86. 80104941 W	
Media description: 59—6	
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Media description: Same Aliquot #5: Latitude: 33.55529109 N Longitude 86. 8010 4900 W Media description: Same	

ADDRESS:	PROPERTY ID:
DATE:	ARRIVAL TIME:
Other pertinent information (weath	er conditions, etc.):
PROPERTY COMMENTS:	
Grid for property sketch	

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(b) (6)

PROPERTY ID: FMO140

DATE: 12/18/12

ARRIVAL TIME: 0845

Other pertinent information (weather conditions, etc.):

48°F, CIEAR SKIES, NO WIND

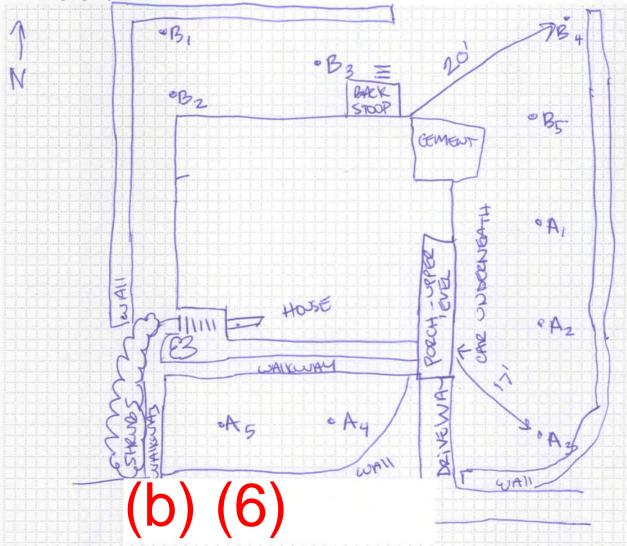
PROPERTY COMMENTS:

AIR MONITORING IN STRUMENTATION STARTED AT 0847.

NOT ENDIGHT SPACE TO SAMPLE ON WEST SIDE

of PROPERTY.

Grid for property sketch

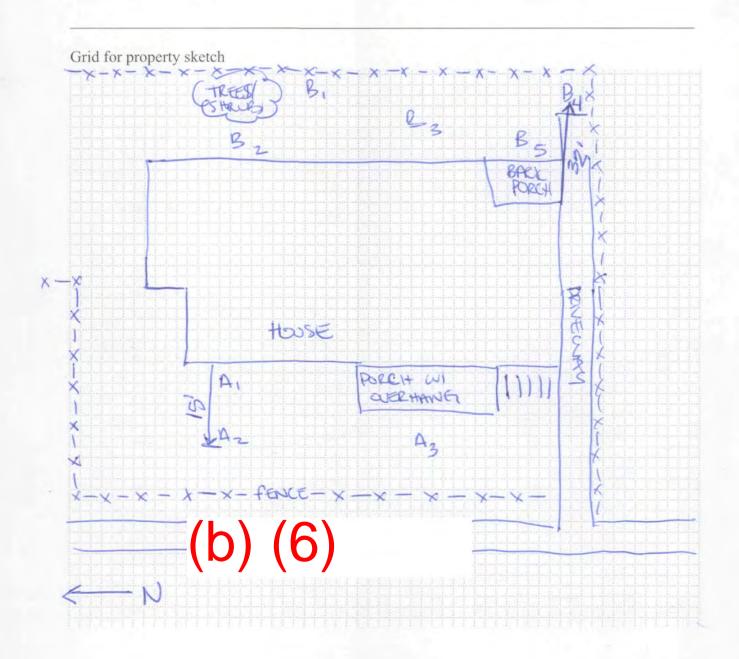


STATION ID: FMO140	SAMPLE ID: FMO140A-	-Cs -
SAMPLE COLLECTION TIME: 09 10		
Description of sample location (front, back, side ya	ard: vegetable garden: play set; ditch. etc):	
FRONT AND SIDE YARD		
Collection: Composite or Grab	MS/MSD? Y or N	
Field Duplicate or Split: Yes or No If yes, indicate	Duplicate/split sample station ID: FMOIHOA C	S-SP
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33-5682[78]	N Longitude 86.81032559	W
Media description: REDISH-BROWN	SILTY CLAM	
Aliquot #2 Latitude: 33 - 56822191	N Longitude 86.81032340	W
Media description: SAME AS +1		
Aliquot #3: Latitude: 33,56815656	N Longitude 86 - 81032547	W
Media description: SAME AS 41		
Aliquot #4: Latitude: 32-9-815308	N Longitude 86.81041335	W
Media description: SAME A #1		
	N Longitude 86.81045125	W
Aliquot #5: Latitude: 33.56814499 Media description: SAME AS *1 STATION ID: FMO140	N Longitude 86.81045125 SAMPLE ID: FM01408-	
Aliquot #5: Latitude: 33.56814499 Media description: SAME AC + 1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya	SAMPLE ID: FMO140B	
Aliquot #5: Latitude: 33.56814499 Media description: Same Ac *1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930	SAMPLE ID: FMO140B	
Aliquot #5: Latitude: 33.56814499 Media description: SAME AC + 1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya	SAMPLE ID: FMO140B	
Aliquot #5: Latitude: 33.56814199 Media description: SAME ACT STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya BACK MARD Collection: Composite or Grab	SAMPLE ID: FMO140B-	-cs-
Aliquot #5: Latitude: 33.56814199 Media description: SAME AS * 1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya BACK MARD Collection: Composite or Grab Field Duplicate or Split: Ses or No If yes, indicate 1	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or	-cs-
Aliquot #5: Latitude: 33.56814199 Media description: SAME ACT STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya BACK MARD Collection: Composite or Grab	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B-	-cs-
Aliquot #5: Latitude: 33.56814199 Media description: SAME AS * 1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0935 Description of sample location (front, back, side ya BACK MACO Collection: Composite or Grab Field Duplicate or Split: Ges or No If yes, indicate 1 GPS Coordinates: Trimble [] Instrument #:	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384	- CS-
Aliquot #5: Latitude: 33.56814499 Media description: Same Ac * 1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya fack MACO Collection: Composite or Grab Field Duplicate or Split: Vestor No If yes, indicate of the same of th	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384	- CS-
Aliquot #5: Latitude: 33.56814499 Media description: Same Ac *1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya fack MACO Collection: Composite or Grab Field Duplicate or Split: Ses or No If yes, indicate 1 GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33.56836218 Media description: 20054-60000000000000000000000000000000000	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384	cs-s
Aliquot #5: Latitude: 33.56814199 Media description: SAME AS #1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya BACK MACO) Collection: Composite or Grab Field Duplicate or Split: Ges or No If yes, indicate In the same of th	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384	- CS-9
Aliquot #5: Latitude: 33.56814499 Media description: Same Ac *1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya fack MACO Collection: Composite or Grab Field Duplicate or Split: Ses or No If yes, indicate 1 GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33-56836218 Media description: 20054-60000000000000000000000000000000000	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384 N Longitude 86-81046140 N Longitude 86-81046140	- Cs-S
Aliquot #5: Latitude: 33.56814499 Media description: SAME AC * 1 STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya BACK MARD Collection: Composite or Grab Field Duplicate or Split: Gestor No If yes, indicate It GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33.56835100 Media description: SAME AS * 1 Aliquot #3: Latitude: 33.56835109	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384 N Longitude 86-81046140 N Longitude 86-81046140	CS-S
Aliquot #5: Latitude: 33.56814499 Media description: SAME ACT STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya fact Maco Collection: Composite or Grab Field Duplicate or Split: Ses or No If yes, indicate GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33-56836218 Media description: SAME AS #1 Aliquot #3: Latitude: 33-56835109 Media description: SAME AS #1	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or M Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384 N Longitude 86-81046140 N Longitude 86-81038639 N Longitude 86-81038639	
Aliquot #5: Latitude: 33.56814499 Media description: SAME ACT STATION ID: FMO140 SAMPLE COLLECTION TIME: 0930 Description of sample location (front, back, side ya BACK MACO) Collection: Composite or Grab Field Duplicate or Split: Festor No If yes, indicate In the same of th	SAMPLE ID: FMO140B- ard; vegetable garden; play set; ditch, etc): MS/MSD? Y or Duplicate/split sample station ID: FMO140B- Logged? Y or N N Longitude 86-81046384 N Longitude 86-81046140 N Longitude 86-81038639 N Longitude 86-81034510	

_{ADDRESS:} (b) (6)			PROPERTY ID	: FM 029	18
DATE: 12 18 12	AF	RRIVAL TIME	: 0940		
Other pertinent information (weather 48° F. SUNNY PROPERTY COMMENTS:)			
NO HOUSE OU	J-SITE.				
STATETO ARE M	M arriva	ig Eq	LIPMENT	T @ 09	142
WOODS AREA		ODERPRO?	H PREVO	uters	
EURTHER SAM	Plintro				
Grid for property sketch					
	- TOTAL				
MAX	STREET	A ₃	Δ	Δ _S	
		r3	4		
Δ,	A2				

STATION ID: FM0298	SAMPLE ID: FM0298A	-CS-SP
SAMPLE COLLECTION TIME: 1000		
Description of sample location (front, back, side yard;	vegetable garden; play set; ditch, etc):	
WOODS AREA NEAR MAX	STREET	
Collection: Composite or Grab	MS/MSD? Y or	
Field Duplicate or Split: Yes or No If yes, indicate Dupl	icate/split sample station ID: FM0298 A-C	CS-86
	Logged? Y or N	
Aliquot #1: Latitude: 33-50858670	N Longitude 86.810 41950	W
Media description: DARK BROWN	SILTY WITH TAN- ORANGE	CLAU
Aliquot #2 Latitude: 33-56857649	N Longitude 86.81040374	W
Media description: SAME AS #1		
Aliquot #3: Latitude: 33 50001232	N Longitude 96.810 43149	W
Media description: SAME AS # 1		
Aliquot #4: Latitude: 33-56861896	N Longitude 86 - 81039379	W
Media description: SAME AS #1		
Aliquot #5: Latitude: 33-56862840	N Longitude 86-81035506	W
Media description: SAME As #1		
	- TAN 8 4/8 11	
STATION ID:	SAMPLE ID:	
STATION ID:SAMPLE COLLECTION TIME:	SAMPLE ID:	
SAMPLE COLLECTION TIME:		
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; v	regetable garden; play set; ditch, etc.	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; to Collection: Composite or Scab	vegetable garden; play set; ditch, etc). M8/MSD? Y or N	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; was considered or Scale of Scale	M8/MSD? Y or N	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; yar	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; so Collection: Composite or Srab Field Duplicate or Split: Yes or No If yes, indicate Duplicate Of Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude:	M8/MSD? Y or N	W
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; was considered as a superior of the sample location (front, back, side yard; was considered as a superior of the sample considered a	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N N Longitude	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; so Collection: Composite or Srab Field Duplicate or Split: Yes or No If yes, indicate Duplicate Of Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude:	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; was considered as a superior of the sample location (front, back, side yard; was considered as a superior of the sample considered a	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N N Longitude	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; yar	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N N Longitude	
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; or Collection: Composite or Srab Field Duplicate or Split: Yes or No If yes, indicate Dupl GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: Media description: Aliquot #2 Latitude: Media description:	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N N Longitude N Longitude	W
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; was considered as a superior of the sample location (front, back, side yard; was considered as a superior of the sample considered a	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N N Longitude N Longitude	W
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; yar	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N N Longitude N Longitude N Longitude N Longitude	W
SAMPLE COLLECTION TIME: Description of sample location (front, back, side yard; some content of the content of	M8/MSD? Y or N icate/split sample station ID: Logged? Y or N N Longitude N Longitude N Longitude N Longitude	W

$_{ADDRESS:}(b)$ (6)	PROPERTY ID: CVO422
DATE: 12/18/12	ARRIVAL TIME: 1014
Other pertinent information (weather condition 52°F, SUNNY - CIE	
PROPERTY COMMENTS:	
AIR MONTORING 2 Q	2



STATION ID: CV0422	SAMPLE ID: CVO 422A	-cs-s
SAMPLE COLLECTION TIME: 10:37		
Description of sample location (front, back, side ya	rd: vegetable garden; play set; ditch, etc);	
FEONT YARD	or, regenerating party and property.	
Collection: Composite or Grab	MS/MSD? Y or 🔊	
Field Duplicate or Split: Field Duplicate or Split: No If yes, indicate	Duplicate/split sample station ID: CVO422A -	CS-SP
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33-55933798	N Longitude 86.79940101	W
Media description: Day Book Moi	ST SANDY SOIL WITH SANDSTONE	FRAGME
Aliquot #2 Latitude: 33 - 55931832	N Longitude 86.799 41891	W
Media description: SAME & #1		
Aliquot #3: Latitude: 33, 559 29 496	N Longitude 80-79939114	W
Media description: SAME AS #1		
Ali quot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media deseription:		
STATION ID: CV0422	SAMPLE ID: CVO422B-	CS-SP
SAMPLE COLLECTION TIME: 1050		
Description of sample location (front, back, side ya	rd; vegetable garden; play set; ditch, etc);	
BACK YARD	Park and and and	
Collection: Composite or Grab	MS/MSD? Y or N	
Field Duplicate or Split: Yes or No If yes, indicate I	Ouplicate/split sample station ID: CV 047218-	cs-sp
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33-55942 (ado	N Longitude 86.79921886	W
Media description: PEOSA - BROW		
Aliquot #2 Latitude: 33.55951463	N Longitude 86.79923110	W
Media description: SAME AS #1		
Aliquot #3: Latitude: 33-55946720	N Longitude 80.799 12763	W
Media description: SAME AS +1		
Aliquot #4: Latitude: 3355947617	N Longitude 96. 79912954	

N Longitude 86.799 17809

AS #1

#1

Media description: 5400€

Aliquot #5: Latitude: 33.55946475

Media description: SAME A

(b) (6)	PROPERTY	ID: CV0424	4
DATE: 12 18 12	ARRIVAL TIME: 1225		
Other pertinent information (weather condition 59°F, SUNNY - CVEAR		- 138P 7	100

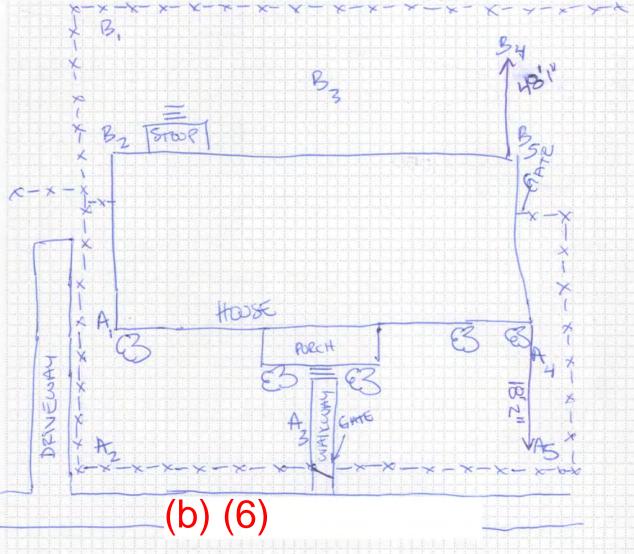
STARTED AIR MONITORING EQUIPMENT 2 @ 1227

Him Jaz 1949 Title Leady - Kit.

16-26 311/V

Grid for property sketch

CHARLES WINCOME



< Z

STATION ID: CVO 424	SAMPLE ID: CVOYZ4A - CS-SP
SAMPLE COLLECTION TIME: 1245	
Description of sample location (front, back, side yard; v	regetable garden; play set; ditch, etc):
PROUT YARD	
Collection: Composite or Grab	MS/MSD? Y or
Field Duplicate or Split: Tes or No If yes, indicate Dupli	cate/split sample station ID: CVO424A - CS-SP
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33, 559 57840-43983	N Longitude 86-799 33119 49951 W
Media description: DALL BROWN SINY	
Aliquot #2 Latitude: 33.559 50274 3996	N Longitude 80-799 41783 54312 W
Media description: SAME AS# 1	
Aliquot #3: Latitude: 33,5595107037742	N Longitude 86.799 33894 49889 W
Media description: SAME AS +1	
Aliquot #4: Latitude: 35,5595258836041	N Longitude 86.7992584642335 W
Media description: SAME AS #1	
Aliquot #5: Latitude: 33. 55943369 33424	N Longitude 34.7993512045572 W
A	
Media description: SAME AS #	
STATION ID: CV0424	SAMPLE ID: CVO424B-CS-SP
STATION ID: CV0424 SAMPLE COLLECTION TIME: 1300	
STATION ID: CVD4 24 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v	
STATION ID: CV0424 SAMPLE COLLECTION TIME: 1300	
STATION ID: CVO424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. BACK HARD Collection: Composite or Grab	egetable garden; play set; ditch, etc): MS/MSD? Y or
STATION ID: CVO424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. BACK HARD Collection: Composite or Grab	egetable garden; play set; ditch, etc):
STATION ID: CVO4 Z4 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v DACK TARRO Collection: Composite or Grab Field Duplicate or Split: Les On No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #:	MS/MSD? Y or Contact Split sample station ID: CVCH24B-CS-SP
SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. BACK HARD Collection: Composite or Grab Field Duplicate or Split: Yes Ob No If yes, indicate Dupli	MS/MSD? Y or Control of the cate/split sample station ID: CNO-124B-CS-SP Logged? Y or N N Longitude 86. 79933119 W
STATION ID: CVO424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. BACK 4480 Collection: Composite or Grab Field Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Latitude: 33,55957840 Media description: CRANGE-BROWN	MS/MSD? Y or Water Split sample station ID: CNOM248-CS-SP Logged? Y or N N Longitude 86.79973119 W
STATION ID: CVO4 24 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. Collection: Composite or Grab Field Duplicate or Split: Ves On No If yes, indicate Duplicate Of Specific Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,559 57 840	MS/MSD? Y or Workstein ID: CVC/124B-CS-SP Logged? Y or N N Longitude 86.79973119 W SLIM CLAY
STATION ID: CV0424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. 1300) Collection: Composite or Grab Field Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: 1300 No If yes, indicate D	MS/MSD? Y or Water Split sample station ID: CNOM248-CS-SP Logged? Y or N N Longitude 86.79973119 W
STATION ID: CVO424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. 1300) Collection: Composite or Grab Field Duplicate or Split: Yes OP No If yes, indicate Duplicate Of Split: 1 Instrument #: Aliquot #1: Latitude: 33,55957840 Media description: DRANGE - BROWN Aliquot #2 Latitude: 23,55950274 Media description: SAME AS #1 Aliquot #3: Latitude: 33,55951670 Media description: SAME AS #1	MS/MSD? Y or W cate/split sample station ID: CVC-124B-CS-SP Logged? Y or N N Longitude 86.79923119 N Longitude 86.79941783 W N Longitude 86.79941783 W N Longitude 86.79938994 W N Longitude 86.79938994 W
STATION ID: CVO424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. BACK 1480) Collection: Composite or Grab Field Duplicate or Split: Les Ob No If yes, indicate Duplicate or Split: Les Ob No If yes, indicate Duplicate or Split: Latitude: 33,58957840 Media description: DRANGE-BROWN Aliquot #2 Latitude: 23,58950274 Media description: SAME As #1 Aliquot #3: Latitude: 33,58951670 Media description: SAME As #1 Aliquot #4: Latitude: 33,58952588	MS/MSD? Y or Workstein ID: CVC/124B-CS-SP Logged? Y or N N Longitude 86.79941783 W Longitude 86.79941783 W Longitude 86.79941783
STATION ID: CVO424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. 1200 Collection: Composite or Grab Field Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate or Split: Yes on No If yes, indicate Duplicate Or Split: Yes on No If yes, indicate Or Split: Yes on No If yes, indicate Or Split: Yes on No If y	MS/MSD? Y or W Cate/split sample station ID: CNOMZ4B-CS-SP Logged? Y or N N Longitude 86.7993119 W N Longitude 86.79941783 W N Longitude 86.79938994 W N Longitude 86.79938994 W N Longitude 86.79938994 W
STATION ID: CVO424 SAMPLE COLLECTION TIME: 1300 Description of sample location (front, back, side yard; v. BACK 1480) Collection: Composite or Grab Field Duplicate or Split: Les Ob No If yes, indicate Duplicate or Split: Les Ob No If yes, indicate Duplicate or Split: Latitude: 33,58957840 Media description: DRANGE-BROWN Aliquot #2 Latitude: 23,58950274 Media description: SAME As #1 Aliquot #3: Latitude: 33,58951670 Media description: SAME As #1 Aliquot #4: Latitude: 33,58952588	MS/MSD? Y or W cate/split sample station ID: CVC-124B-CS-SP Logged? Y or N N Longitude 86.79923119 N Longitude 86.79941783 W N Longitude 86.79941783 W N Longitude 86.79938994 W N Longitude 86.79938994 W

_{ADDRESS} (b) (6)	
ADDRESS	ROPERTY
DATE: 12 18 12	ARRIVAL TIME: 1300
Other pertinent information (weather conditi	ons, etc.):

ROPERTY ID: CV 0421

LOOF SUNNY-CIEAR SKIES

PROPERTY COMMENTS:

STARTED AIR MODITORING EQUIPMENT ~@ 1310

03800-Grid for property sketch SHED 12-2-2-2-2-2-2-X-X-X-X-X-X-X-X CONCRETE PATIO B3 House PORCH BZ B GATE

STATION ID: CVO421	SAMPLE ID: CV04211	A-05-59
SAMPLE COLLECTION TIME: 1320		
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 Du	plicate/split sample station ID: CVO4Z IA-CS	5-SP
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33 - 55920483	N Longitude 86.79951517	W
Media description: DARK BROWN		
Aliquot #2 Latitude: 33,5592308	N Longitude 86.79953260	W
Media description: PARK BROWN	SILTY SOIL	
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		
STATION ID: CVO 421 SAMPLE COLLECTION TIME: 1357 Description of sample location (front, back, side yard	SAMPLE ID: CVO 4 ZIB-	CS-SP
SAMPLE COLLECTION TIME: 1357 Description of sample location (front, back, side yard	; vegetable garden; play set; ditch, etc):	CS-SP
SAMPLE COLLECTION TIME: 1357 Description of sample location (front, back, side yard Side YARA Collection: Composite or Grab	; vegetable garden; play set; ditch, etc): MS/MSD? Y or	
SAMPLE COLLECTION TIME: 1357 Description of sample location (front, back, side yard Side yard Collection: Composite or Grab Field Duplicate or Split: Ces or No If yes, indicate Du	; vegetable garden; play set; ditch, etc): MS/MSD? Y or plicate/split sample station ID: CVOHZIB-C	
SAMPLE COLLECTION TIME: 1357 Description of sample location (front, back, side yard Side Value) Collection: Composite or Grab Field Duplicate or Split: Ces or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #:	; vegetable garden; play set; ditch, etc): MS/MSD? Y or plicate/split sample station ID: Logged? Y or N	
Description of sample location (front, back, side yard Side VAR) Collection: Composite or Grab Field Duplicate or Split: Cestor No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,559 2492	; vegetable garden; play set; ditch, etc): MS/MSD? Y or plicate/split sample station ID: CVO421B-C Logged? Y or N N Longitude Ste 79940232	S-SP
Description of sample location (front, back, side yard SIDE VAL Collection: Composite or Grab Field Duplicate or Split: Ces or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33.55912492 Media description: DALL BLOWN	MS/MSD? Y or D plicate/split sample station ID: CVO421B-C Logged? Y or N N Longitude Sto. 79940232	S-SP
Description of sample location (front, back, side yard SIDE VAL Collection: Composite or Grab Field Duplicate or Split: Cestor No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33.55912492 Media description: DALL BLOWN Aliquot #2 Latitude: 33,55909371	; vegetable garden; play set; ditch, etc): MS/MSD? Y or plicate/split sample station ID: CVO421B-C Logged? Y or N N Longitude Ste 79940232	S-SP
Description of sample location (front, back, side yard Side YARD) Collection: Composite or Grab Field Duplicate or Split: Les or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33.55912492 Media description: DALC Brown Aliquot #2 Latitude: 33,55909371	MS/MSD? Y or D plicate/split sample station ID: CVO421B-C Logged? Y or N N Longitude Sto. 79940232	S-SP
Description of sample location (front, back, side yard Side YARD) Collection: Composite or Grab Field Duplicate or Split: Ces or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,559 2492 Media description: DARCE Brown Aliquot #2 Latitude: 33,55909371 Media description: DAME As #1 Aliquot #3: Latitude: 33,55901070 Media description: Stame As #1	MS/MSD? Y or D plicate/split sample station ID: CVO421B-C Logged? Y or N N Longitude 86.79940232 N Longitude 86.79946949	S-SP W W
Description of sample location (front, back, side yard Side YARD) Collection: Composite or Grab Field Duplicate or Split: Cestor No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,55912492 Media description: DARCE Brown Aliquot #2 Latitude: 33,55909371 Media description: SPANE AS #1 Aliquot #3: Latitude: 33,55901070	MS/MSD? Y or D plicate/split sample station ID: CVO421B-C Logged? Y or N N Longitude 86.79940232 N Longitude 86.79946949	S-SP W W
Description of sample location (front, back, side yard Side YARD) Collection: Composite or Grab Field Duplicate or Split: Ces or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,559 2492 Media description: DARCE Brown Aliquot #2 Latitude: 33,55909371 Media description: DAME As #1 Aliquot #3: Latitude: 33,55901070 Media description: Stame As #1	MS/MSD? Y or D plicate/split sample station ID: CVO421B-C Logged? Y or N N Longitude 86.79940232 N Longitude 86.79946949 N Longitude 86.79946949 N Longitude 86.79956837	
Description of sample location (front, back, side yard Side Yard) Collection: Composite or Grab Field Duplicate or Split: Ces or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,55912492 Media description: DALC Blown Aliquot #2 Latitude: 33,55909371 Media description: DAME As #1 Aliquot #3: Latitude: 33,55901070 Media description: Stame As #1 Aliquot #4: Latitude: 33,5595453	MS/MSD? Y or D plicate/split sample station ID: CVO4ZIB-C Logged? Y or N N Longitude 86.7994023Z N Longitude 86.79946949 N Longitude 86.79946949	

	/h \	(C)
ADDRES	(D)	(0)
	17/18	12

PROPERTY ID: WO 228

ARRIVAL TIME: 1415

Other pertinent information (weather conditions, etc.):

59°F SUNNY- CIEAR SKIES

PROPERTY COMMENTS:

VACANT LOT- NO STRUCTURE PRESENT ON-SITE

STARTED AIR MON'TORING EQUIPMENT @ ~

Grid for property sketch

STATION ID: CVO228	SAMPLE ID: CVOZZ8A-	-CS -S
SAMPLE COLLECTION TIME: 1430		
Description of sample location (front, back, side yard; v	egetable garden; play set; ditch, etc):	
NEAR STREET (FRONT)		
Collection: Composite or Grab	MS/MSD? Y or (N)	
Field Duplicate or Split: Yes or No If yes, indicate Dupli	cate/split sample station ID: CVO28A-C	5-SP
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33,55654959	N Longitude 86.80190841	W
Media description: BIACK SLT		
Aliquot #2 Latitude: 33,5565 4690	N Longitude 86.80174659	W
Media description: SAME AS #1		
Aliquot #3: Latitude: 33.55659578	N Longitude 86.80180721	W
Media description: SAME AS # 1		
Aliquot #4: Latitude: 33,55662680	N Longitude %. 80190323	W
Media description: SAVVE As #1		
Aliquot #5: Latitude: 33.55664651	N Longitude 86. 80174127	W
Media description: CAYNE AS #		
SAMPLE COLLECTION TIME: 1450	SAMPLE ID: CV0228B	
Description of sample location (front, back, side yard; v	egetable garden; play set; ditch, etc):	
Description of sample location (front, back, side yard; v	egetable garden; play set; ditch, etc):	
	egetable garden; play set; ditch, etc): MS/MSD? Y or N	
NEAR FENCE (BACK)	MS/MSD? Y or N	92-28
NEAR FENCE (BACK) Collection: Composite or Grab	MS/MSD? Y or N	92-28
NEAR FENCE (BACK) Collection: Composite or Grab Field Duplicate or Split: (Yes) or No If yes, indicate Dupli	MS/MSD? Y or N cate/split sample station ID: CVOZZ86-C	<u>92-5P</u>
NEAR FENCE (BACK) Collection: Composite or Grab Field Duplicate or Split: (Yes or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #:	MS/MSD? Y or N cate/split sample station ID: CVOZZ8B-C Logged? Y or N N Longitude 26. 802 12533	
NEAR FENCE (BACK) Collection: Composite or Grab Field Duplicate or Split: (Yes or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 32,55653264 Media description: BLACK STLM SOIL	MS/MSD? Y or N cate/split sample station ID: CVOZZ86-C Logged? Y or N N Longitude 26. 202/2533	
NEAR FENCE (BACK) Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 32,55653264	MS/MSD? Y or N cate/split sample station ID: CVOZZ8B-C Logged? Y or N N Longitude 26. 802 12533	W
NEAR FENCE (BACK) Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,55653264 Media description: BLACK SILTY Soil Aliquot #2 Latitude: 33,55654166 Media description: CAME As #1	MS/MSD? Y or N cate/split sample station ID: CVOZZ8B-C Logged? Y or N N Longitude 26. 802 12533	W
Collection: Composite or Grab Field Duplicate or Split: (Yes or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,55653264 Media description: BLACK SILTY SOIL Aliquot #2 Latitude: 33,55654166 Media description: SAME As #1 Aliquot #3: Latitude: 33,55657940 Media description: SAME As #1	MS/MSD? Y or N cate/split sample station ID: CVOZZ86-Co Logged? Y or N N Longitude 86. 80212533 WITH COAL FRACMENTS N Longitude 86. 80198277 N Longitude 86. 80264840	W
Collection: Composite or Grab Field Duplicate or Split: (Yes or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,55653264 Media description: BLACK SILTY SOIL Aliquot #2 Latitude: 33,55654166 Media description: SAME As #1 Aliquot #3: Latitude: 33,55657940 Media description: SAME As #1	MS/MSD? Y or N cate/split sample station ID: CVOZZ86-Co Logged? Y or N N Longitude 86. 80212533 WITH COAL FRACMENTS N Longitude 86. 80198277 N Longitude 86. 80264840	W
Collection: Composite or Grab Field Duplicate or Split: (Yes or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,55653264 Media description: BLACK STUTY SOIL Aliquot #2 Latitude: 33,55654166 Media description: SAWE As #1 Aliquot #3: Latitude: 33,55657940 Media description: SAME As #1 Aliquot #4: Latitude: 33,55661985	MS/MSD? Y or N cate/split sample station ID: CVOZZ86-Co Logged? Y or N N Longitude 26. 20212533 WITH COAL FEASMENTS N Longitude 86. 20198277	W W W
Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dupli GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33,55653264 Media description: BLACK SILTY SOIL Aliquot #2 Latitude: 33,55654166 Media description: SAWE As #1 Aliquot #3: Latitude: 33,55657940 Media description: SAME As #1 Aliquot #4: Latitude: 33,55661985	MS/MSD? Y or N cate/split sample station ID: CVOZZ86-Co Logged? Y or N N Longitude 86. 80212533 WITH COAL FRACMENTS N Longitude 86. 80198277 N Longitude 86. 80264840	W W W

/	'h)	(6)
ADDRES	U	(0)

PROPERTY ID: CV0130

DATE: 12 18 12

ARRIVAL TIME: 1500

Other pertinent information (weather conditions, etc.):

59°F, SUNNY

PROPERTY COMMENTS:

Grid for property sketch

Bin SHED 82 STOOS PORCH WAIKWAY A5 to house is 27ff. A4 A3 AZ SIRWALK (b) (6)

STATION ID: CVO230	SAMPLE ID: CV0230A-	CS-SF
SAMPLE COLLECTION TIME: 15 15		
Description of sample location (front, back, side yard	l; vegetable garden; play set; ditch, etc):	
Collection: Composite or Grab	MS/MSD? Y o	
Field Duplicate or Split: Yes or No If yes, indicate Du	plicate/split sample station ID: CVO 230A-	CS-SF
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33, 55(do 8363	N Longitude 86.80179102	W
Media description: BIACK SLTY	SOIL	
Aliquot #2 Latitude: 33.551d67035	N Longitude 86.80174881	W
Media description: SAME & #1		
Aliquot #3: Latitude:23 - 55670777	N Longitude 26 80176741	W
Media description: SAME As #1		
Aliquot #4: Latitude: 22.55674412	N Longitude 86 80178574	W
Media description: SAME AS #1		
Aliquot #5: Latitude: 33 - 55 67 4473	N Longitude 86-801-739Cdg	W
Media description: SAME AS + 1		
STATION ID: CVOZ30	SAMPLE ID: CVOZ3016-	CS-SP
SAMPLE COLLECTION TIME: 1535 Description of sample location (front, back, side yard		C2-2p
SAMPLE COLLECTION TIME: 1535		CS-SP
SAMPLE COLLECTION TIME: 1535 Description of sample location (front, back, side yard		CS-SP
SAMPLE COLLECTION TIME: 1535 Description of sample location (front, back, side yard	; vegetable garden; play set; ditch, etc): MS/MSD? Y or	
SAMPLE COLLECTION TIME: 1535 Description of sample location (front, back, side yard BYCK YARD Collection: Composite or Grab	; vegetable garden; play set; ditch, etc): MS/MSD? Y or	
Description of sample location (front, back, side yard BYCK YACO Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du	MS/MSD? Y or Deplicate/split sample station ID:	
Description of sample location (front, back, side yard BYCX YAR) Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 5566 7902	MS/MSD? Y or On the policate/split sample station ID: CVO236B-CLogged? Y or N	CS-SP
Description of sample location (front, back, side yard BYCX YAR) Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 5566 7902	MS/MSD? Y or D plicate/split sample station ID: CV0236B- Logged? Y or N N Longitude 86.80212205	CS-SP
Description of sample location (front, back, side yard BPCX MPLO Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 55667902 Media description: BIACK SILTM SALIQUOT #2 Latitude: 33 55667663	MS/MSD? Y or Solution ID: CVO236B-Logged? Y or N N Longitude 86.80212205	CS- SP w
Description of sample location (front, back, side yard BPCX MPLO) Collection: Composite or Grab Field Duplicate or Split: Festor No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 5566 7902 Media description: BIACK SILTY Section of Sample Instrument #:	MS/MSD? Y or Solution ID: CVO236B-Logged? Y or N N Longitude 86.80212205	CS- SP w
Description of sample location (front, back, side yard BYCX MACO) Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 5966 7902 Media description: BIACK Si LTM Si Aliquot #2 Latitude: 33 5566 7063 Media description: SAME AS #1	MS/MSD? Y or D plicate/split sample station ID: CVOZ36B— Logged? Y or N N Longitude 86.80212205 N Longitude 86.80199254 N Longitude 86.80204431	
Description of sample location (front, back, side yard BPCX MALO) Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33.55667902 Media description: BIACK Si LTM Si Latitude: 33.55667603 Media description: SAME AS # 1 Aliquot #3: Latitude: 33.5560700	MS/MSD? Y or D plicate/split sample station ID: CV0236B- Logged? Y or N N Longitude 86.80212205 N Longitude 86.80199254	
Description of sample location (front, back, side yard BPCX MACO Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 59667902 Media description: BIACK Si LTM S Aliquot #2 Latitude: 33 55667003 Media description: SAME AS # 1 Aliquot #3: Latitude: 33,55671070 Media description: SAME AS # 1	MS/MSD? Y or D MS/MSD? Y or D Applicate/split sample station ID: CV0236B— Logged? Y or N N Longitude 86.8021220S N Longitude 86.80199254 N Longitude 86.80204431 N Longitude 96.80214433	
Description of sample location (front, back, side yard BPCX MACO Collection: Composite or Grab Field Duplicate or Split: Ves or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 59667902 Media description: BLACK Si LTM S Aliquot #2 Latitude: 33.55671070 Media description: SAME AS # 1 Aliquot #3: Latitude: 33.55671070 Media description: SAME AS # 1 Aliquot #4: Latitude: 33.55678022	MS/MSD? Y or Deplicate/split sample station ID: CV0236B-1205B-1205B-1205B-1205B-1205B-120B-120B-120B-120B-120B-120B-120B-120	

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ADDRESS:	(\mathbf{D})) (O)
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PROPERTY ID: CVO45 |

DATE: 12 19 2012

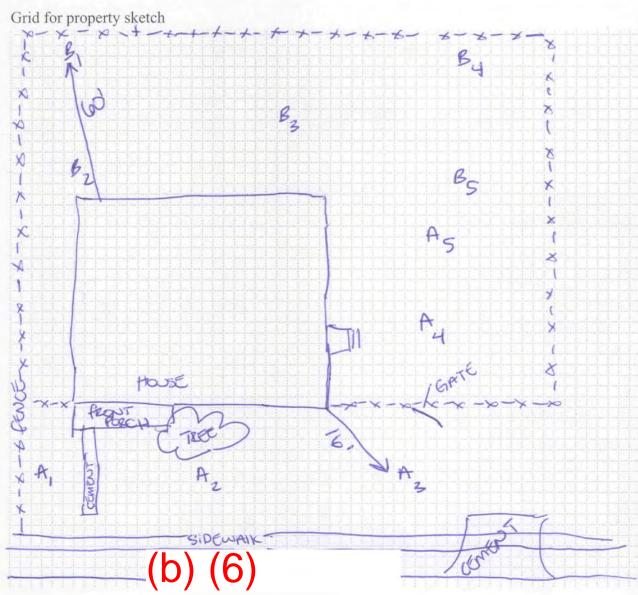
ARRIVAL TIME: 0845

Other pertinent information (weather conditions, etc.):

50°F, SUNNY-CIEAR SICIES

PROPERTY COMMENTS:

-



STATION ID: CVO45	SAMPLE ID: CV0451A-CS	SF
SAMPLE COLLECTION TIME: 0900		
Description of sample location (front, back, side yard	; vegetable garden; play set; ditch, etc):	
FRONT AND SIDE YARD		
Collection: Composite or Grab	MS/MSD? Y or N	
Field Duplicate or Split: Yes w No If yes, indicate Du	plicate/split sample station ID: CVO451A-CS-	-8P
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33 -555 25493	N Longitude 86.80048663	W
Media description: Blown SIT M	NED WITH GRANDL	
Aliquot #2 Latitude:33 . 555 22647	N Longitude 86.80047197	W
Media description: SAME AS #1		
Aliquot #3: Latitude: 23.555 19219	N Longitude 86-80016480	W
Media description: SAME As +1		
Aliquot #4: Latitude: 33.555 18257	N Longitude 86.80039532	W
Media description: SAME A#1		
Aliquot #5: Latitude: 33 555 175 77	N Longitude 86.80031730	W
Media description: SAME AS #11		_
STATION ID: CV0451	SAMPLE ID: CVO4S/B-CS	-SP
SAMPLE COLLECTION TIME:O915 Description of sample location (front, back, side yard		-SP
SAMPLE COLLECTION TIME:O915 Description of sample location (front, back, side yard		S-SP
SAMPLE COLLECTION TIME:O915 Description of sample location (front, back, side yard back yard or Grab	; vegetable garden; play set; ditch, etc): MS/MSD? Y or N	
SAMPLE COLLECTION TIME: 0915 Description of sample location (front, back, side yard	; vegetable garden; play set; ditch, etc): MS/MSD? Y or N	
Description of sample location (front, back, side yard BACK YARD Collection: omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du	y vegetable garden; play set; ditch, etc): MS/MSD? Y or N plicate/split sample station ID: CV0451B-CS-	
Description of sample location (front, back, side yard BACK MARO Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33-5552 65 48	MS/MSD? Y or N plicate/split sample station ID: CV0451B-CS- Logged? Y or N N Longitude 86.8009427	-8
Description of sample location (front, back, side yard BACK MARO Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33-5552 65 48	wegetable garden; play set; ditch, etc): MS/MSD? Y or N plicate/split sample station ID: CV04 51B - CS- Logged? Y or N N Longitude 86.8009427	-8
Description of sample location (front, back, side yard BACK MARO) Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33-55526548 Media description: DALY BROWN	MS/MSD? Y or N plicate/split sample station ID: CV04 51B - CS- Logged? Y or N N Longitude 80.8009427 SLTY CLAY N Longitude 80.80025548	- SP
Description of sample location (front, back, side yard BACK MARO) Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #:	MS/MSD? Y or N plicate/split sample station ID: CV0451B-CS- Logged? Y or N N Longitude 86.8009427	- SP
Description of sample location (front, back, side yard BACK MARO) Collection: Omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #:	MS/MSD? Y or N plicate/split sample station ID: CV04 51B - CS- Logged? Y or N N Longitude 86.8009427 SLITY CLAY N Longitude 86.80025548 N Longitude 86.80017842	
Description of sample location (front, back, side yard BACK MARO) Collection: Omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #:	MS/MSD? Y or N plicate/split sample station ID: CV04 51B - CS- Logged? Y or N N Longitude 80.8009427 SLTY CLAY N Longitude 80.80025548	
Description of sample location (front, back, side yard BACK MARO) Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33 - 555 2 65 48 Media description: DALY BROWN SAME AS #1 Aliquot #3: Latitude: 33 - 555 2 8 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	MS/MSD? Y or N plicate/split sample station ID: CV04 51B - CS- Logged? Y or N N Longitude 86.8009427 SLTY CLAU N Longitude 86.80017842 N Longitude 86.80017842 N Longitude 86.80017842	
Description of sample location (front, back, side yard BACK MARO) Collection: Omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Du GPS Coordinates: Trimble [] Instrument #:	MS/MSD? Y or N plicate/split sample station ID: CV04 51B - CS- Logged? Y or N N Longitude 86.8009427 SLITY CLAY N Longitude 86.80025548 N Longitude 86.80017842	

(b) (6	5)	PROPERTY ID: HR 0190
DATE: 12 19 12		ARRIVAL TIME: 6930
Other pertinent information (w		
PROPERTY COMMENTS		
V	のかカーナー	+-+-GATE x-x-x-x
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Grid for property sketch		-
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STATION ID: HPO190	SAMPLE ID: HPO1901A-CS-SY	2
SAMPLE COLLECTION TIME: 0950		
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 on No If yes, indicate Dup	licate/split sample station ID: HP0190A-CS-SF	2
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33.565 8/709	N Longitude 96.79181709	W
Media description: Blown SILTY	CLAY	
Aliquot #2 Latitude: 33.50581836	N Longitude 86.791 84896	W
Media description: SAME AS +		
Aliquot #3: Latitude: 33-9081495	N Longitude 86.79178505	W
Media description: SAME As	1	
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		
SAMPLE COLLECTION TIME: 1665 Description of sample location (front, back, side yard;		
GARDEN IN FRONT YAS	vegetable garden; play set; ditch, etc):	
Collection: Composite or Grab		_
Collection: Composite or Grab	MS/MSD? Y or	SP
	MS/MSD? Y or	SP
Collection: omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #:	MS/MSD? Y of N licate/split sample station ID: HPO190BES-9 Logged? Y or N	SP W
Collection: omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup	MS/MSD? Y or N licate/split sample station ID: HPO190 B CS - S Logged? Y or N N Longitude Ho-7918176979420	
Collection: Omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33:505 34 502 4365 Media description: Blown City Chris	MS/MSD? Y or N Logged? Y or N N Longitude 40-7918179979420	
Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33:505 3432 4305 Media description: Blown Silty Christ Aliquot #2 Latitude: 33.505 3433 3332	MS/MSD? Y or N licate/split sample station ID: HPO190BES-9 Logged? Y or N N Longitude 86-791817979420	W
Collection: Omposite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33:505 34 502 4365 Media description: Blown City Chris	MS/MSD? Y or N licate/split sample station ID: HPO190BES-9 Logged? Y or N N Longitude 86-791817979420	W
Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33:505 9 9 9 9 4305 Media description: Blown Silty Christ Aliquot #2 Latitude: 33:505 9 9 3332 Media description: SPME As #1	MS/MSD? Y or N licate/split sample station ID: HPO190BES-9 Logged? Y or N N Longitude 86.791817979420	W
Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33:505 34 502 4365 Media description: Blown Cilty Christ Aliquot #2 Latitude: 33:505 34 332 Media description: SPINE As #1 Aliquot #3: Latitude: 33:505 842 10 4	MS/MSD? Y or N licate/split sample station ID: HPO190BES-9 Logged? Y or N N Longitude 86-791817979420	W
Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33:505 34 32 4305 Media description: Brown City Christ Aliquot #2 Latitude: 33:505 34 332 Media description: SPME As #1 Aliquot #3: Latitude: 33:505 84 210 4 Media description: SPME As #1	MS/MSD? Y or N licate/split sample station ID: HPO190 B-CS-9 Logged? Y or N N Longitude 86.791817979420 N Longitude 86.7918189678510 N Longitude 86.79178179	W
Collection: Composite or Grab Field Duplicate or Split: Yes or No If yes, indicate Dup GPS Coordinates: Trimble [] Instrument #: Aliquot #1: Latitude: 33:505 84799 4305 Media description: Blown Silty Christ Aliquot #2 Latitude: 33:505 84836 3332 Media description: SPIME As #1 Aliquot #3: Latitude: 33:505 84720 4 Media description: SPIME As #1 Aliquot #4: Latitude:	MS/MSD? Y or N licate/split sample station ID: HPO190BES-9 Logged? Y or N N Longitude 26-791817979420 N Longitude 26-79178109 N Longitude 26-79178179	W

_{ADDRESS:} (b) (6	<i>)</i>	PROPERTY ID: HPO190					
DATE: 12 19/12	AR	ARRIVAL TIME: 3930					
Other pertinent information (weat	her conditions, etc.):						
SEE PAG							
PROPERTY COMMENTS:							
SEE PAG	TE 32						
0.16							
Grid for property sketch							
CE	PASE	37					
20							

STATION ID: HPO190	SAMPLE ID: HPO190 C-	CS-SP
SAMPLE COLLECTION TIME: 15:15		
Description of sample location (front, back, side yard;	vegetable garden; play set; ditch, etc):	
BACK YARD		
Collection: Composite or Grab	MS/MSD? Y or	
Field Duplicate or Split: Tes or No If yes, indicate Dup	olicate/split sample station ID: HP 0190C-CS	-SP
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude: 33 5100 15299	N Longitude 86.79185253	W
	SILTY CLARY	
Aliquot #2 Latitude: 33.500 11400	N Longitude 86-79185234	W
Media description: SAME As #1		
Aliquot #3: Latitude: 33.540 10718	N Longitude & . 79179125	W
Media description: SAME AS #1		
Aliquot #4: Latitude: 33 . Sldo 15715	N Longitude 86-79175728	W
Media description: SAME AS HI		
Aliquot #5: Latitude: 33, 51000560	N Longitude 86.79175102	W
Media description: SAME AS #1		"
STATION ID:	SAMPLE ID:	
SAMPLE COLLECTION TIME:		
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 Dup	olicate/split sample station ID:	
GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude:	NLongitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:		
Anduot #3. Lannuae.	N Longitude	W
Media description:	N Longitude	w

The remaining pages in this logbook are blank and have not been scanned.