

National Human Exposure Assessment Survey (NHEXAS)

Arizona Study

Quality Systems and Implementation Plan for Human Exposure Assessment

The University of Arizona
Tucson, Arizona 85721

Cooperative Agreement CR 821560

Standard Operating Procedure

SOP-UA-D-38.0

Title: Cleaning: Field Forms

Source: The University of Arizona

U.S. Environmental Protection Agency
Office of Research and Development
Human Exposure & Atmospheric Sciences Division
Human Exposure Research Branch

Notice: The U.S. Environmental Protection Agency (EPA), through its Office of Research and Development (ORD), partially funded and collaborated in the research described here. This protocol is part of the Quality Systems Implementation Plan (QSIP) that was reviewed by the EPA and approved for use in this demonstration/scoping study. Mention of trade names or commercial products does not constitute endorsement or recommendation by EPA for use.

Cleaning: Field Forms

1.0 Purpose and Applicability

The purpose of this procedure is to define the particular steps involved in cleaning the electronic data generated from data entry of the Field Forms. It applies to electronic data corresponding to the Field Forms that were scanned and verified by Data Staff from NHEXAS Arizona, the Border Study, and other Health and Environment projects.

2.0 Definitions

- 2.1 **BORDER STUDY** = An alias for "Total Human Exposure Arizona: A Comparison of the Border Communities and the State" conducted in Arizona by the University of Arizona/Battelle/Illinois Institute of Technology consortium.
- 2.2 **DATA CLEANING**: The process of locating and correcting data processing and field technician errors. They can be individual level errors in the electronic and physical data, or they can be system level errors in the data collection, packaging, coding, entry, and cleaning procedures themselves. This process is also referred to as "data validation."
- 2.3 **DATA, ELECTRONIC**: Data stored on some type of magnetic or optical medium (for example: floppy disk, hard disk).
- 2.4 **DATA, ENTERED**: Electronic data scanned into a data file using Teleform scanning software. Entered data are the product of "data entry."
- 2.5 **DATA, VERIFIED**: Electronic data that has cleared through the Teleform Verification process. In the Verification process Teleform reviews all of the entered data and displays any possible errors. These potential errors are reviewed by a Data Technician. Once all of the errors are fixed the data is saved to an ASCII file.
- 2.6 **DATA CLEANING BATCH**: A collection of electronic data, along with their corresponding physical forms. Data cleaning batches are formed after one or more data processing batches (see DATA PROCESSING BATCH below) are scanned. The data cleaning batches are then cleaned (see DATA CLEANING) and appended to the master database (as described in UA-D-44.X). Each data cleaning batch is assigned a numeric descriptor of the form MMDDYY, where MM is the month the batch was created, DD is the day the batch was created, and YY is the year the batch was created. If more than one batch is created on the same day, each batch after the first is assigned a descriptor of

the form MMDDYY_N, where N denotes the batch as being the Nth batch created that day.

- 2.7 **HEALTH AND ENVIRONMENT PROJECTS** (or H&E) = An umbrella title for all projects funded to M.D. Lebowitz and/or M.K. O'Rourke (or their designees) which examine purported or real relationships among environmental factors and any aspect of human health.
- 2.8 **HRP SITE:** The **Health Related Professions** building, located at 1435 North Fremont Avenue; Tucson, AZ 85719. This is an annex of the Arizona Prevention Center and the primary site of NHEXAS Arizona, the Border Study, and other Health and Environment projects.
- 2.9 **MASS DATA MASSAGE PROCESS** (or MDM) = The data processing program used by NHEXAS Arizona, the Border Study, and other Health and Environment projects.
- 2.10 **NHEXAS Arizona:** Acronym for **National Human EXposure Assessment Survey**, a research project conducted in Arizona by the University of Arizona/Battelle/Illinois Institute of Technology consortium.

3.0 References

SOP UA-D-44.X (Operation Manual of the Mass Data Massage Program) (This Volume)

4.0 Discussion

A copy of the Field Forms are given in the Appendices. This copy has each variable labeled for easy reference. Questionnaires and Forms are reviewed for completeness and accuracy prior to being transferred to the data section of the project. These checks are designed to generate flawless forms and questionnaires prior to data entry. Once entered and verified the data is subject to logic checks through the application of Dictionaries and other projects. A copy of the Dictionaries for the Field Forms are given in the Appendices. This dictionary defines the file structure for the Field Forms databases, as well as the logic and range checks that are performed on each field. For further reference, see SOP# UA-D-4.X.

The appendices are as follows:

Floor Dust Sampling (Form)

Appendix A

Floor Dust Sampling (Dictionary)	Appendix B
Household Summary Sampling (Form)	Appendix C
Household Summary Sampling (Dictionary)	Appendix D
Personal Air Sampling Data Sheet (Form)	Appendix E
Personal Air Sampling Data Sheet (Dictionary)	Appendix F
PID Sampling Sheet (Form)	Appendix G
PID Sampling Sheet (Dictionary)	Appendix H
PM Sampling Data Sheet (Form)	Appendix I
PM Sampling Data Sheet (Dictionary)	Appendix J
Sentinel Data Sheet (Form)	Appendix K
Sentinel Data Sheet (Dictionary)	Appendix L
Soil Sampling (Form)	Appendix M
Soil Sampling (Dictionary)	Appendix N
Surface Sampling (Form)	Appendix O
Surface Sampling (Dictionary)	Appendix P

The Sentinel Data Sheet, Personal Air Sample Data Sheet, Floor Dust Sampling, and Surface Sampling dictionaries are in the process of being written and are thus not in their respective appendices. These dictionaries will be added as soon as completed.

Sometimes despite all best efforts, errors are found in data. These errors must be corrected to produce a valid database. At this time, all anticipated problems have been addressed. "Cleaning" protocols are developed concurrently with data entry to address the unanticipated problems. Specific corrections will be documented as outlined in SOP # UA-D-38.X.

5.0 Responsibilities

The Project Data Coordinator is responsible for writing the data cleaning instructions for the Field Forms when data problems are found during the data entry process.

6.0 Materials and Reagents

- 6.1 Local Area Network
- 6.2 Purple Pen
- 6.3 Copy of Data Dictionary for specific form.

7.0 Procedure

- 7.1 Steps Followed

A. Entering data

1. Scan and verify the form as described in UA-D-34.X.

B. Cleaning Data

1. Log into UNIX environment.

2. Type "data" to run the *MDM*.

3. Select form type:

- a. The user will enter:

- i. "1" for Field Forms

- ii. "2" for Lab Data

- iii. "3" for Questionnaires

- b. If a field form is desired, the user will enter "1". The *MDM* will then prompt the user for a specific form. The user will then enter:

- i. "1" for Household Summary Sheet

- ii. "2" for PM Sampling

- iii. "3" for PID Sampling

- iv. "4" for Soil Sampling

- v. "5" for Floor Dust Sampling

- vi. "6" for Surface Sampling

- vii. "7" for Sentinel Sampling

- viii. "8" for Personal Air Sampling

- ix. "9" for Sample Tracking

- aa. If this option is selected, the user will be prompted to select either the header or the detail groups. The user will enter "1" for the header, and "2" for the detail group

- x. "0" to return to the previous menu

- b. If lab data is to be cleaned, the user will enter "2". The *MDM* will then prompt the user for a specific form. The user will then enter:

- i. "1" for 25mm and 37mm pre-weighing

- aa. If this option is selected, the user will be prompted to select either the header or the detail groups. The user will enter "1" for the header, and "2" for the detail group.

- ii. "2" for 25mm and 37mm post-weighing

- aa. If this option is selected, the user will be prompted to select either the header or the detail groups. The user will enter “1” for the header, and “2” for the detail group.
 - iii. “3” for Sentinel filter pre-weighing
 - aa. If this option is selected, the user will be prompted to select either the header or the detail groups. The user will enter “1” for the header, and “2” for the detail group.
 - iv. “4” for Sentinel filter post-weighing
 - aa. If this option is selected, the user will be prompted to select either the header or the detail groups. The user will enter “1” for the header, and “2” for the detail group.
 - v. “5” for XRF analysis
 - vi. “6” for Soil characterization
 - vii. “7” Vacuum Dust characterization
 - viii. “8” for 24-Hour Food Diary Check
 - aa. If this option is selected, the user will be prompted to select either the header, the detail groups, the second page, or the supplement. The user will enter “1” for the header, “2” for the detail group, “3” for the second page, or “4” for the supplement.
 - ix. “9” for Vacuum filter pre-weighing
 - aa. If this option is selected, the user will be prompted to select either the header or the detail groups. The user will enter “1” for the header, and “2” for the detail group.
 - x. “0” to return to the previous menu
- c. If a questionnaire is to be cleaned, the user must enter “3”. The *MDM* will then prompt the user for a specific questionnaire. The user will then enter:
- i. “1” for Descriptive Qx
 - ii. “2” for Baseline Qx
 - iii. “3” for Time Diary and Activity Qx
 - iv. “4” for Follow Up Qx
 - v. “5” for Diet Diary Qx
 - vi. “6” for Food Diary Follow-up
 - vii. “7” for Technician Qx
 - viii. “8” for Questionnaire Feedback Qx

- ix. "0" to return to the previous menu
- aa. If the specific form is the Descriptive Questionnaire then the user is required to enter three encryption keys that allow access to the Descriptive Questionnaire. If the encryption keys are improperly entered then a notice is displayed and the *MDM* ends.
4. The *MDM* shall prompt the user for an action. The user then selects an operation from a given list. Operations include:
- a. Create a new batch
 - b. Clean existing batch
 - c. QA an existing batch
 - d. [Examine Descriptive Master Database]
5. If the user selects the Create a new batch option:
- a. The *MDM* will create a new batch and give notice of the new batch name (See DATA CLEANING BATCH).
 - b. The user will then be prompted to press <enter> to continue program execution.
 - c. The user is then asked if a batch list report is desired.
 - i. If the user does desire such a report, a response of "Y" should be given (not case sensitive).
 - ii. If no report is desired, a response of "N" should be given. If this is the case, the *MDM* will list the report to the screen.
6. If the user selects the Clean existing batch option:
- a. The *MDM* will list all possible batches to clean.
 - b. If there are no batches, the program will inform the user, and prompt the user to press the <enter> key, which will return the user to the previous menu.
 - c. If there are batches to be cleaned, the user will be prompted for a specific batch.
 - d. Once a batch is selected, it is preprocessed (checking for errors) for cleaning, and the user is given information regarding the status of the preprocessing.
 - e. If no errors are found within in the data, the *MDM* will send mail to the Data Coordinator informing him of the newly cleaned batch.

- f. If errors are found in the data, the user is informed as to the number of errors found within the batch.
 - i. For each error found in the batch, the user will be shown the key variables to locate the record containing the error, which is displayed between dashed lines.
 - ii. The user is then prompted for an action, the action being either the changing the erroneous value, the skipping of the error, a manual change to a different variable in the current record, a manual change to any variable in any record, or the user may quit.
- g. If the user wishes to change the erroneous value:
 - i. Then "C" must be entered.
 - ii. The variable name is then displayed, and the *MDM* prompts for a new value.
 - iii. Once a new value is given, the user is given the option to accept the value given, to accept a value formatted by the *MDM*, or to abort the operation.
 - iv. If the operation is not aborted, the user is prompted for a reason for the change. Once a reason is given, the update is completed.
- h. If the user wishes to skip the error:
 - i. He/she must enter "S".
 - ii. This will cause the *MDM* to skip the current error, but not the current record.
- i. If the user wishes to change the value of a different variable in the current record:
 - i. He/she must enter "M".
 - ii. The user will then be prompted for the number of changes to be made.
 - iii. Once this number is entered, the *MDM* will then prompt for the variable to be changed.
 - iv. Once a valid variable is specified, the user is prompted for the new value.
 - v. Once a new value is given, the user is given the following options:
 - aa. Accept the value given
 - bb. Accept a value formatted by the *MDM*
 - cc. Abort the operation.
 - vi. If the operation is not aborted, the user is prompted for a reason for the change. Once a reason is given, the update is completed.

- j. If the user wishes to change the value of a variable in a different record:
 - i. He/she must enter "R".
 - ii. The user will then be prompted for the number of changes to be made.
 - iii. Once this number is entered, the *MDM* will then prompt for the key variable values of the record to be modified.
 - iv. Once valid values are given, the *MDM* prompts the user for the variable to be changed.
 - v. Once a valid variable is specified, the user is prompted for the new value.
 - vi. Once a new value is given, the user is given the following options:
 - aa. Accept the value given
 - bb. Accept a value formatted by the *MDM*,
 - cc. Abort the operation.
 - vii. If the operation is not aborted, the user is prompted for a reason for the change.
 - viii. Once a reason is given, the update is completed.
- k. If the user wishes to quit, he/she must hit the "Q" key. The user is then returned to the menu defined in I.B.4.

7.2 Steps which are unique to the Field Forms.

- 7.2.1 The missing value for "PID ID" on the PID field sheet must be added during cleaning.
- 7.2.2 The variable for source on the PM Sampling Sheet should be less than ten. If the source is greater than ten feet, the variable for source is coded as non-applicable.

8.0 Records

- 8.1 All records are automatically generated by the *MDM*.
- 8.2 Records of all the forms in a cleaning batch are printed out when the batch is created. This list is then attached to the cleaning batch.
- 8.3 Records of the changes made to the data are located in the following directory tarred with their associated batch: /rsc53/NHEXAZdata/master/field/<Specific Form>/data.
- 8.4 Records of the cleaning batches which have been appended to the master data base are

- located in the following directory: /rsc53/NHEXAZdata/master/field/<Specific Form>. The list is kept in the file "read.me".
- 8.5 All changes to the hard copy of the form must be dated and completed in purple or red ink.

Inclusions:

Appendix A: Floor Dust Sampling (Form) (1 page)
Appendix B: Floor Dust Sampling (Dictionary) (1 page) (*)
Appendix C: Household Summary Sampling (Form) (4 pages)
Appendix D: Household Summary Sampling (Dictionary) (77 pages)
Appendix E: Personal Air Sampling Data Sheet (Form) (2 pages)
Appendix F: Personal Air Sampling Data Sheet (Dictionary) (1 page) (*)
Appendix G: PID Sampling Sheet (Form) (2 pages)
Appendix H: PID Sampling Sheet (Dictionary) (20 pages)
Appendix I: PM Sampling Data Sheet (Form) (2 pages)
Appendix J: PM Sampling Data Sheet (Dictionary) (24 pages)
Appendix K: Sentinel Data Sheet (Form) (2 pages)
Appendix L: Sentinel Data Sheet (Dictionary) (1 page) (*)
Appendix M: Soil Sampling (Form) (2 pages)
Appendix N: Soil Sampling (Dictionary) (1 page) (*)
Appendix O: Surface Sampling (Form) (2 pages)
Appendix P: Surface Sampling (Dictionary) (20 pages)

- (*) These dictionaries have not yet been built. They will be added to this SOP as soon as they are.

Appendix A: Floor Dust Sampling (Form)

Hennepin study site

FLOOR DUST SAMPLING					
Form Type: 105	Study: FORM UA-F-7.0-1.0	Stage # Collapsed? Y N S O O O	Collected By: Tech ID Tech ID QC'd By: Tech ID Init.	HHID Sampling Date MO Event Date YR	F.S. Visit NHIDFS Visit QC: ✓ []
1. Vacuum ID: <i>Vac-ID</i>	3. Sample ID#:	71 Sampid		QC' []	
2. Vacuum Inlet: <i>Vac inlet</i>	4. QA Blank / Spike ID#:	71 or N/A [] <i>Scrubbed + Blank-ID</i>		QC' []	
ITEM	Loc. 1	Loc. 2	Loc. 3	Loc. 4	QC' []
Room	<i>Room 1</i>	<i>Room 2</i>	<i>Room 3</i>	<i>Room 4</i>	[]
RH%	<i>Rh1 %</i>	<i>Rh2 %</i>	<i>Rh3 %</i>	<i>Rh4 %</i>	[]
Dry Bulb	<i>Drybulb1 0°C Tunits-1</i>	<i>Drybulb2 0°C Tunits-2</i>	<i>Drybulb3 0°C Tunits-3</i>	<i>Drybulb4 0°C Tunits-4</i>	[]
Psy/Hyg ID	<i>Hyg1</i>	<i>Hyg2</i>	<i>Hyg3</i>	<i>Hyg4</i>	[]
Area Vacuumed	<i>Areavac1 M^2</i>	<i>Areavac2 M^2</i>	<i>Areavac3 M^2</i>	<i>Areavac4 M^2</i>	[]
Sample Time = 2 min/M^2	<i>Smp tim1 ON/O/N/A</i>	<i>Smp tim2 ON/O/N/A</i>	<i>Smp tim3 ON/O/N/A</i>	<i>Smp tim4 ON/O/N/A</i>	[]
Major Floor Type Surface Sampled	<i>Floor 1</i>	<i>Floor 2</i>	<i>Floor 3</i>	<i>Floor 4</i>	[]
Major Corner Surface Sampled	<i>Corner 1</i>	<i>Corner 2</i>	<i>Corner 3</i>	<i>Corner 4</i>	[]
Comments	<i>Loc 1-com</i>	<i>Loc 2-com</i>	<i>Loc 3-com</i>	<i>Loc 4-com</i>	[]
Total Area Vacuumed to Produce Sample	<i>Total area M^2</i>	Comments:			[]

Formstat		Office Use Only						
Form Status: 1.Cmp 2.N Cmp 3.P Cmp 4.Re-col 5.Ref 6.Dest 8.N/A 9.Miss	Tech. ID QC: <i>QCBY</i> Init. QA: <i>QABY</i> Init.	MO DATE /	DAY	YR	Tech. ID DE: <i>DEBY</i> Init. DP Batch: <i>JPBATCH</i>	MO DATE /	DAY	YR

Chain of custody initiated (sig.): _____

Consigned to packet on []: ____/____/____

Box UA G4-2.0

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Appendix B: Floor Dust Sampling (Dictionary)

Appendix C: Household Summary Sampling (Form)

HOUSEHOLD SAMPLING SUMMARY

Form Type: 101 ITEM NUM FORM UA-F-3.0-2.1	Study: ○ 1. NHexas ○ 2. Border ○ 3. _____ ○ 4. _____ ○ 5. _____ STUDY	Stage # <input type="text"/> Stage Collapsed? Y N 8 ○ ○ ○ COLLAPSE	Team Leader: Tech ID <input type="text"/> Init. Tech ID <input type="text"/> Tech ID <input type="text"/> Qc By: QC - <input type="text"/> Init.	HHID <input type="text"/> HHID HHID FS	F.S. <input type="text"/>
			MO DAY YR	MO DAY YR	V3-Date or N/A []
1. V1 on: <input type="text"/> / <input type="text"/> / <input type="text"/> V1- Date or N/A []			3. V3 on: <input type="text"/> / <input type="text"/> / <input type="text"/> or N/A []		
2. V2 on: <input type="text"/> / <input type="text"/> / <input type="text"/> V2- Date or N/A []			4. V4 on: <input type="text"/> / <input type="text"/> / <input type="text"/> V4- Date or N/A []		

HOUSEHOLD LEVEL SAMPLES

Sample Type	Collected	Sample Status	QC: <input checked="" type="checkbox"/>	Sample Type	Collected	Sample Status	QC: <input checked="" type="checkbox"/>
PID Indoors	Y N N/A ○ ○ ○	Spidi-st	[]	Yard Soil	Y N N/A ○ ○ ○	Syard-st	[]
PID Outdoors	Spidi-cd	Spido-st	[]	Foundation Soil	Spfd-cd	Sfnd-st	[]
Sentinel	Spent-cd	Ssent-st	[]	Soil Thin Film	Stsol-cd	Stai-st	[]
H2O Metals	Y N N/A ○ ○ ○	Swatm-st	[]	Floor Dust	Swflr-cd	Sflr-st	[]
H2O Pests	Swatp-cd	Swatp-st	[]	Sill Wipes	Y N N/A ○ ○ ○	Swipe-st	[]
H2O VOCS	Swatv-cd	Swatv-st	[]	Sill Thin Film	Stsil-cd	Stsil-st	[]
H2O Carb	Swatc-cd	Swatc-gt	[]	S-Other 1	Y N N/A ○ ○ ○	Soth1-st	[]
OVM Indoors	Y N N/A ○ ○ ○	Sovmi-cd	Sovmi-st	S-Other 2	Soth2-cd	Soth2-st	[]
OVM Outdoors	Sovmo-cd	Sovmo-st	[]	S-Other 3	Soth3-cd	Soth3-st	[]
PF1 Indoors	Spfin-cd	Spfin-st	[]	S-Other 4	Soth4-cd	Soth4-st	[]
PF1 Outdoors	Spfout-cd	Sfout-st	[]	S-Other 5	Y N N/A ○ ○ ○	Soth5-st	[]
Carbo Trap In	Y N N/A ○ ○ ○	Scrbti-cd	Scrbti-st	S-Other 6	Soth6-cd	Soth6-st	[]
Carbo Trap Out	Scrbto-cd	Scrbto-st	[]	S-Other 7	Soth7-cd	Soth7-st	[]
Pm Indoors	Spmin-cd	Spmin-st	[]	Status Codes:			
Pm Outdoors	Spmot-cd	Spmot-st	[]	1 = Completed	4 = Re- Collected	8 = N/A	
				2 = Not - Completed	5 = Refused	9 = Missing	
				3 = Partially Completed	7 = Destroyed		

Data Use Only: A B C D E F G H I J

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■ ■ ■ HOUSEHOLD LEVEL FORMS ■ ■ ■

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HH Summary

Form Type	Collected	Form Status	QC:
PID Sheet	Y N N/A ○ ○ Fpid - cd ○	Fpid-st []	v
Sentinel	Y N N/A ○ ○ Fsent - cd ○	Fsent-st []	v
H2O Metals	Y N N/A ○ ○ Fwatm - cd ○	Fwatm-st []	v
H2O Pests	Y N N/A ○ ○ Fwapt - cd ○	Fwapt-st []	v
H2O VOCS	Y N N/A ○ ○ Fwatv - cd ○	Fwatv-st []	v
H2O Carb	Y N N/A ○ ○ Fwatsc - cd ○	Fwatsc-st []	v
OVM & HCOH	Y N N/A ○ ○ Fovm - cd ○	Fovm-st []	v
Active VOC	Y N N/A ○ ○ Fvoc - cd ○	Fvoc-st []	v
PM Sheet	Y N N/A ○ ○ Fpm - cd ○	Fpm-st []	v
Soil Sampling	Y N N/A ○ ○ Fsoil - cd ○	Fsoil-st []	v
Floor Dust	Y N N/A ○ ○ Fflr - cd ○	Fflr-st []	v

Form Type	Collected	Form Status	QC:
Tech QX	Y N N/A ○ ○ Ftech - cd ○	Ftech-st []	v
Descriptive QX	Y N N/A ○ ○ Fdesc - cd ○	Fdesc-st []	v
F- Other 1	Y N N/A ○ ○ Foth1 - cd ○	Foth1-st []	v
F- Other 2	Y N N/A ○ ○ Foth2 - cd ○	Foth2-st []	v
F- Other 3	Y N N/A ○ ○ Foth3 - cd ○	Foth3-st []	v
F- Other 4	Y N N/A ○ ○ Foth4 - cd ○	Foth4-st []	v
Status Codes:			
1 = Completed	4 = Re-Collected	8 = N/A	
2 = Not - Completed	5 = Refused	9 = Missing	
3 = Partially Completed	7 = Destroyed		
Comments: _____			

Comments: _____

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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HHID: _____

FS: _____

INDIVIDUAL LEVEL FORMS

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HH Summary

IRN #	Consent Form	Status	Baseline QX	Status	Activity Diary	Status	Follow Up QX	Status	QC:
01	Y N N/A ○ ○ ○ Fcon - cd1	Fcon - st1	Y N N/A ○ ○ ○ Fbas - cd1	Fbas - st1	Y N N/A ○ ○ ○ Fact - cd1	Fact - st1	Y N N/A ○ ○ ○ Fllw - cd1	Fllw - st1	[]
02	○ ○ ○ Fcon - cd2	Fcon - st2	○ ○ ○ Fbas - cd2	Fbas - st2	○ ○ ○ Fact - cd2	Fact - st2	○ ○ ○ Fllw - cd2	Fllw - st2	[]
03	○ ○ ○ Fcon - cd3	Fcon - st3	○ ○ ○ Fbas - cd3	Fbas - st3	○ ○ ○ Fact - cd3	Fact - st3	○ ○ ○ Fllw - cd3	Fllw - st3	[]
04	○ ○ ○ Fcon - cd4	Fcon - st4	○ ○ ○ Fbas - cd4	Fbas - st4	○ ○ ○ Fact - cd4	Fact - st4	○ ○ ○ Fllw - cd4	Fllw - st4	[]
05	○ ○ ○ Fcon - cd5	Fcon - st5	○ ○ ○ Fbas - cd5	Fbas - st5	○ ○ ○ Fact - cd5	Fact - st5	○ ○ ○ Fllw - cd5	Fllw - st5	[]
06	Y N N/A ○ ○ ○ Fcon - cd6	Fcon - st6	Y N N/A ○ ○ ○ Fbas - cd6	Fbas - st6	Y N N/A ○ ○ ○ Fact - cd6	Fact - st6	Y N N/A ○ ○ ○ Fllw - cd6	Fllw - st6	[]
07	○ ○ ○ Fcon - cd7	Fcon - st7	○ ○ ○ Fbas - cd7	Fbas - st7	○ ○ ○ Fact - cd7	Fact - st7	○ ○ ○ Fllw - cd7	Fllw - st7	[]
08	○ ○ ○ Fcon - cd8	Fcon - st8	○ ○ ○ Fbas - cd8	Fbas - st8	○ ○ ○ Fact - cd8	Fact - st8	○ ○ ○ Fllw - cd8	Fllw - st8	[]
09	○ ○ ○ Fcon - cd9	Fcon - st9	○ ○ ○ Fbas - cd9	Fbas - st9	○ ○ ○ Fact - cd9	Fact - st9	○ ○ ○ Fllw - cd9	Fllw - st9	[]
10	○ ○ ○ Fcon - cd10	Fcon - st10	○ ○ ○ Fbas - cd10	Fbas - st10	○ ○ ○ Fact - cd10	Fact - st10	○ ○ ○ Fllw - cd10	Fllw - st10	[]

IRN #	Diet Checklist	Status	Diet Diary	Status	Diet Follow Up	Status	_____	Status	QC:
01	Y N N/A ○ ○ ○ Fdck - cd1	Fdck - st1	Y N N/A ○ ○ ○ Fdia - cd1	Fdia - st1	Y N N/A ○ ○ ○ Fdfl - cd1	Fdfl - st1	Y N N/A ○ ○ ○ Ifot - cd1	Ifot - st1	[]
02	○ ○ ○ Fdck - cd2	Fdck - st2	○ ○ ○ Fdia - cd2	Fdia - st2	○ ○ ○ Fdfl - cd2	Fdfl - st2	○ ○ ○ Ifot - cd2	Ifot - st2	[]
03	○ ○ ○ Fdck - cd3	Fdck - st3	○ ○ ○ Fdia - cd3	Fdia - st3	○ ○ ○ Fdfl - cd3	Fdfl - st3	○ ○ ○ Ifot - cd3	Ifot - st3	[]
04	○ ○ ○ Fdck - cd4	Fdck - st4	○ ○ ○ Fdia - cd4	Fdia - st4	○ ○ ○ Fdfl - cd4	Fdfl - st4	○ ○ ○ Ifot - cd4	Ifot - st4	[]
05	○ ○ ○ Fdck - cd5	Fdck - st5	○ ○ ○ Fdia - cd5	Fdia - st5	○ ○ ○ Fdfl - cd5	Fdfl - st5	○ ○ ○ Ifot - cd5	Ifot - st5	[]
06	Y N N/A ○ ○ ○ Fdck - cd6	Fdck - st6	Y N N/A ○ ○ ○ Fdia - cd6	Fdia - st6	Y N N/A ○ ○ ○ Fdfl - cd6	Fdfl - st6	Y N N/A ○ ○ ○ Ifot - cd6	Ifot - st6	[]
07	○ ○ ○ Fdck - cd7	Fdck - st7	○ ○ ○ Fdia - cd7	Fdia - st7	○ ○ ○ Fdfl - cd7	Fdfl - st7	○ ○ ○ Ifot - cd7	Ifot - st7	[]
08	○ ○ ○ Fdck - cd8	Fdck - st8	○ ○ ○ Fdia - cd8	Fdia - st8	○ ○ ○ Fdfl - cd8	Fdfl - st8	○ ○ ○ Ifot - cd8	Ifot - st8	[]
09	○ ○ ○ Fdck - cd9	Fdck - st9	○ ○ ○ Fdia - cd9	Fdia - st9	○ ○ ○ Fdfl - cd9	Fdfl - st9	○ ○ ○ Ifot - cd9	Ifot - st9	[]
10	○ ○ ○ Fdck - cd10	Fdck - st10	○ ○ ○ Fdia - cd10	Fdia - st10	○ ○ ○ Fdfl - cd10	Fdfl - st10	○ ○ ○ Ifot - cd10	Ifot - st10	[]

Other Form Code _____

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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INDIVIDUAL LEVEL SAMPLES

PAGE 4

HH Summary

Sample Type	Collected	From IRN #	Sample Status	Field Form	Form Status	Comments	QC:
Dermal (M)	Y N N/A ○ ○ Sderm- cd	Sderm- IRN Sderm- cd	Sderm- sst	Y N N/A ○ ○ Sderm- ff	Sderm- fst Sderm- fst		[]
Dermal (P)	Sderp- cd ○	Sderp- IRN	Sderp- sst	Sderp- ○○ ff○	Sderp- fst		[]
Blood (M)	Y N N/A ○ ○ Sblm- cd	Sblm- IRN Sblm- cd	Sblm- sst	Y N N/A ○ ○ Sblm- ff	Sblm- fst		[]
Blood (VOC)	Sblv- cd ○	Sblv- IRN Sblv- cd	Sblv- sst	Sblv- ○○ ff○	Sblv- fst		[]
Urine Sample	Y N N/A ○ ○ Surn- cd	Surn- irn Surn- cd	Surn- sst	Y N N/A ○ ○ Surn- ff	Surn- fst		[]
Food Sample	Sfod- cd ○	Sfod- irn Sfod- cd	Sfod- sst	Sfod- ○○ ff○	Sfod- fst		[]
Bev. Sample	Sbev- cd ○	Sbev- irn Sbev- cd	Sbev- sst	Sbev- ○○ ff○	Sbev- fst		[]
Personal Air (M)	Y N N/A ○ ○ Spam- cd	Spam- irn Spam- cd	Spam- sst	Y N N/A ○ ○ Spam- ff	Spam- fst		[]
Personal Air (P)	Spap- cd ○ ○ ○	Spap- irn Spap- cd	Spap- sst	Spap- ○○ ff○	Spap- fst		[]
1	Y N N/A ○ ○ Iso1- cd	Iso1- irn Iso1- cd	Iso1- sst	Y N N/A ○ ○ Iso1- ff	Iso1- fst		[]
2	Iso2- cd ○ ○ ○	Iso2- irn Iso2- cd	Iso2- sst	Iso2- ○○ ff○	Iso2- fst		[]
3	Iso3- cd ○ ○ ○	Iso3- irn Iso3- cd	Iso3- sst	Iso3- ○○ ff○	Iso3- fst		[]
4	Iso4- cd ○ ○ ○	Iso4- irn Iso4- cd	Iso4- sst	Iso4- ○○ ff○	Iso4- fst		[]

Samp 1 Samp 2
 Isoth1 Isoth2

 Samp 3 Samp 4
 Isoth3 Isoth4

Comments: _____

Formstat

Office Use Only

Form Status:	<input type="radio"/> 1.Cmp <input type="radio"/> 2.N Cmp <input type="radio"/> 3.P Cmp <input type="radio"/> 4.Ro-cool <input type="radio"/> 5.Ref <input type="radio"/> 7.Dest <input type="radio"/> 8.N/A <input type="radio"/> 9.Miss	QC: <input type="text"/> Tech. ID <input type="text"/> DE BY <input type="text"/> MO BY <input type="text"/> DAY <input type="text"/> DATE <input type="text"/> YR <input type="text"/>	DE: <input type="text"/> Tech. ID <input type="text"/> DE BY <input type="text"/> MO BY <input type="text"/> DAY <input type="text"/> DATE <input type="text"/> YR <input type="text"/>
	QA: <input type="text"/> Init. <input type="text"/> QA BY <input type="text"/> QA <input type="text"/> DATE <input type="text"/> / <input type="text"/> / <input type="text"/>	DP Batch: <input type="text"/> DP BATCH	QXV: <input type="text"/> FSUM1 <input type="text"/> QXV

Pagelink QC:
Init:

Chain of custody initiated (sig.): _____

Consigned to packet on: [] ____/____/____

Box UA G4-2.0

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Data Use Only: 0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J

Q V1dt_d 1 23 I2
T V1 on: (day)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (01,31)
Q V1dt_y 1 26 I2
T V1 on: (year)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (95,99)
* The following date field has been broken up into mm/dd/yy
* Q V2_date 1 28 A8
* T V2 on:
* Y 88/88/88 Default Value

Q V2dt_m 1 28 I2
T V2 on: (month)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (01,12)

Q V2dt_d 1 31 I2
T V2 on: (day)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (01,31)

Q V2dt_y 1 34 I2
T V2 on: (year)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (95,99)

* The following date field has been broken up into mm/dd/yy
* Q V3_date 1 36 A8
* T V3 on:
* Y 88/88/88 Default Value

Q V3dt_m 1 36 I2
T V3 on: (month)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (01,12)

Q V3dt_d 1 39 I2

T V3 on: (day)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (01,31)

Q V3dt_y 1 42 I2
T V3 on: (year)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (95,99)

* The following date field has been broken up into mm/dd/yy
* Q V4_date 1 44 A8
* T V4 on:
* Y 88/88/88 Default Value

Q V4dt_m 1 44 I2
T V4 on: (month)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (01,12)

Q V4dt_d 1 47 I2
T V4 on: (day)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (01,31)

Q V4dt_y 1 50 I2
T V4 on: (year)
Y -5 Refused
Y -8 Non-Applicable
Y -9 Missing
R (95,99)

Q Spidi_cd 1 52 I3
T Household Level Samples - PID Indoors: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (any(Stage,1,2,3,4) and any(Spidi_cd,001,002,088))

Q Spidi_st 1 55 I1
T Household Level Samples - PID Indoors: Sample Status
Y 1 Completed
Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Spidi_cd (F3.0) ''

L X (Spidi_cd=001 and (range(Spidi_st,1,7) or Spidi_st=9))

L X (Spidi_cd=002 and any(Spidi_st,2,8))

L X (Spidi_cd=088 and Spidi_st=8)

Q Spido_cd 1 56 I3

T Household Level Samples - PID Outdoors: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (any(Stage,1,2,3,4) and any(Spido_cd,001,002,088))

Q Spido_st 1 59 II

T Household Level Samples - PID Outdoors: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Spido_cd (F3.0) ''

L X (Spido_cd=001 and (range(Spido_st,1,7) or Spido_st=9))

L X (Spido_cd=002 and any(Spido_st,2,8))

L X (Spido_cd=088 and Spido_st=8)

Q Ssent_cd 1 60 I3

T Household Level Samples - Sentinel: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=2 and any(Ssent_cd,001,002,088))

L X (any(Stage,1,3,4) and Ssent_cd=088)

Q Ssent_st 1 63 II

T Household Level Samples - Sentinel: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Ssent_cd (F3.0) ''

L X (Ssent_cd=001 and (range(Ssent_st,1,7) or Ssent_st=9))

L X (Ssent_cd=002 and any(Ssent_st,2,8))

L X (Ssent_cd=088 and Ssent_st=8)

Q SWatm_cd 1 64 I3

T Household Level Samples - Wat Pests: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=2) and any(SWatm_cd,001,002,088)

L X (Stage=3) and any(SWatm_cd,001,002,088)

L X (any(Stage,1,4) and SWatm_cd=088)

Q SWatm_st 1 67 I1

T Household Level Samples - Wat Pests: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P SWatm_cd (F3.0) ''

L X (SWatm_cd=001 and (range(SWatm_st,1,7) or SWatm_st=9))

L X (SWatm_cd=002 and any(SWatm_st,2,8))

L X (SWatm_cd=088 and SWatm_st=8)

Q SWatp_cd 1 68 I3

T Household Level Samples - Wat Pests: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=2) and any(SWatp_cd,001,002,088)

L X (Stage=3) and any(SWatp_cd,001,002,088)

L X (any(Stage,1,4) and SWatp_cd=088)

Q SWatp_st 1 71 I1

T Household Level Samples - Wat Pests: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P SWatp_cd (F3.0) ''

L X (SWatp_cd=001 and (range(SWatp_st,1,7) or SWatp_st=9))

L X (SWatp_cd=002 and any(SWatp_st,2,8))

L X (SWatp_cd=088 and SWatp_st=8)

Q SWatv_cd 1 72 I3

T Household Level Samples - Wat VOCS: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=2) and any(SWatv_cd,001,002,088)

L X (Stage=3) and any(SWatv_cd,001,002,088)

L X (any(Stage,1,4) and SWatv_cd=088)

Q SWatv_st 1 75 I1

T Household Level Samples - Wat VOCS: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P SWatv_cd (F3.0) ''

L X (SWatv_cd=001 and (range(SWatv_st,1,7) or SWatv_st=9))

L X (SWatv_cd=002 and any(SWatv_st,2,8))

L X (SWatv_cd=088 and SWatv_st=8)

Q SWatc_cd 1 76 I3

T Household Level Samples - Wat Carb: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=2) and any(SWatc_cd,001,002,088)

L X (Stage=3) and any(SWatc_cd,001,002,088)

L X (any(Stage,1,4) and SWatc_cd=088)

Q SWatc_st 1 79 I1

T Household Level Samples - Wat Carb: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P SWatc_cd (F3.0) ''

L X (SWatc_cd=001 and (range(SWatc_st,1,7) or SWatc_st=9))

L X (SWatc_cd=002 and any(SWatc_st,2,8))

L X (SWatc_cd=088 and SWatc_st=8)

Q Sovmi_cd 1 80 I3

T Household Level Samples - OVM Indoors: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=3 and any(Sovmi_cd,001,002,088))

L X (any(Stage,1,2,4) and Sovmi_cd=088)

Q Sovmi_st 1 83 I1

T Household Level Samples - OVM Indoors: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Sovmi_cd (F3.0) ''

L X (Sovmi_cd=001 and (range(Sovmi_st,1,7) or Sovmi_st=9))

L X (Sovmi_cd=002 and any(Sovmi_st,2,8))

L X (Sovmi_cd=088 and Sovmi_st=8)

Q Sovmo_cd 1 84 I3

T Household Level Samples - OVM Outdoors: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=3 and any(Sovmo_cd,001,002,088))

L X (any(Stage,1,2,4) and Sovmo_cd=088)

Q Sovmo_st 1 87 I1

T Household Level Samples - OVM Outdoors: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Sovmo_cd (F3.0) ''

L X (Sovmo_cd=001 and (range(Sovmo_st,1,7) or Sovmo_st=9))

L X (Sovmo_cd=002 and any(Sovmo_st,2,8))

L X (Sovmo_cd=088 and Sovmo_st=8)

Q Spfin_cd 1 88 I3
T Household Level Samples - PF1 Indoors: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (Stage=3 and any(Spfin_cd,001,002,088))
L X (any(Stage,1,2,4) and Spfin_cd=088)

Q Spfin_st 1 91 II
T Household Level Samples - PF1 Indoors: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Spfin_cd (F3.0) ''
L X (Spfin_cd=001 and (range(Spfin_st,1,7) or Spfin_st=9))
L X (Spfin_cd=002 and any(Spfin_st,2,8))
L X (Spfin_cd=088 and Spfin_st=8)

Q Spfot_cd 1 92 I3
T Household Level Samples - PF1 Outdoors: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (Stage=3 and any(Spfot_cd,001,002,088))
L X (any(Stage,1,2,4) and Spfot_cd=088)

Q Spfot_st 1 95 II
T Household Level Samples - PF1 Outdoors: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Spfot_cd (F3.0) ''
L X (Spfot_cd=001 and (range(Spfot_st,1,7) or Spfot_st=9))
L X (Spfot_cd=002 and any(Spfot_st,2,8))
L X (Spfot_cd=088 and Spfot_st=8)

Q Scrbi_cd 1 96 I3

T Household Level Samples - Carbo Trap In: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=3 and any(Scrbi_cd,001,002,088))

L X (any(Stage,1,2,4) and Scrbi_cd=088)

Q Scrbi_st 1 99 I1

T Household Level Samples - Carbo Trap In: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Scrbi_cd (F3.0) ''

L X (Scrbi_cd=001 and (range(Scrbi_st,1,7) or Scrbi_st=9))

L X (Scrbi_cd=002 and any(Scrbi_st,2,8))

L X (Scrbi_cd=088 and Scrbi_st=8)

Q Scrbo_cd 1 100 I3

T Household Level Samples - Carbo Trap Out: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F3.0) ''

L X (Stage=3 and any(Scrbo_cd,001,002,088))

L X (any(Stage,1,2,4) and Scrbo_cd=088)

Q Scrbo_st 1 103 I1

T Household Level Samples - Carbo Trap Out: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Scrbo_cd (F3.0) ''

L X (Scrbo_cd=001 and (range(Scrbo_st,1,7) or Scrbo_st=9))

L X (Scrbo_cd=002 and any(Scrbo_st,2,8))

L X (Scrbo_cd=088 and Scrbo_st=8)

Q Spmin_cd 1 104 I3

T Household Level Samples - Pm Indoors: Collected

Y 001 Y

Y 002 N

Y 088 N/A
P Stage (F3.0) ''
L X (Stage=3 and any(Spmin_cd,001,002,088))
L X (any(Stage,1,2,4) and Spmin_cd=088)

Q Spmin_st 1 107 I1
T Household Level Samples - Pm Indoors: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Spmin_cd (F3.0) ''
L X (Spmin_cd=001 and (range(Spmin_st,1,7) or Spmin_st=9))
L X (Spmin_cd=002 and any(Spmin_st,2,8))
L X (Spmin_cd=088 and Spmin_st=8)

Q Spmot_cd 1 108 I3
T Household Level Samples - Pm Outdoors: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (Stage=3 and any(Spmot_cd,001,002,088))
L X (any(Stage,1,2,4) and Spmot_cd=088)

Q Spmot_st 1 111 I1
T Household Level Samples - Pm Outdoors: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Spmot_cd (F3.0) ''
L X (Spmot_cd=001 and (range(Spmot_st,1,7) or Spmot_st=9))
L X (Spmot_cd=002 and any(Spmot_st,2,8))
L X (Spmot_cd=088 and Spmot_st=8)

Q Syard_cd 1 112 I3
T Household Level Samples - Yard Soil: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (any(Stage,2,3) and any(Syard_cd,001,002,088))

L X (any(Stage,1,4) and Syard_cd=088)

Q Syard_st 1 115 I1
T Household Level Samples - Yard Soil: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Syard_cd (F3.0) ''
L X (Syard_cd=001 and (range(Syard_st,1,7) or Syard_st=9))
L X (Syard_cd=002 and any(Syard_st,2,8))
L X (Syard_cd=088 and Syard_st=8)

Q Sfnd_cd 1 116 I3
T Household Level Samples - Foundation Soil: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (any(Stage,2,3) and any(Sfnd_cd,001,002,088))
L X (any(Stage,1,4) and Sfnd_cd=088)

Q Sfnd_st 1 119 I1
T Household Level Samples - Foundation Soil: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sfnd_cd (F3.0) ''
L X (Sfnd_cd=001 and (range(Sfnd_st,1,7) or Sfnd_st=9))
L X (Sfnd_cd=002 and any(Sfnd_st,2,8))
L X (Sfnd_cd=088 and Sfnd_st=8)

Q Stsoi_cd 1 120 I3
T Household Level Samples - Soil Thin Film: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (any(Stage,2,3) and any(Stsoi_cd,001,002,088))
L X (any(Stage,1,4) and Stsoi_cd=088)

Q Stsoi_st 1 123 I1

T Household Level Samples - Soil Thin Film: Sample Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Stsoi_cd (F3.0) ''
L X (Stsoi_cd=001 and (range(Stsoi_st,1,7) or Stsoi_st=9))
L X (Stsoi_cd=002 and any(Stsoi_st,2,8))
L X (Stsoi_cd=088 and Stsoi_st=8)

Q Sflr_cd 1 124 I3

T Household Level Samples - Floor Dust: Collected

Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (any(Stage,2,3) and any(Sflr_cd,001,002,088))
L X (any(Stage,1,4) and Sflr_cd=088)

Q Sflr_st 1 127 II

T Household Level Samples - Floor Dust: Sample Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sflr_cd (F3.0) ''
L X (Sflr_cd=001 and (range(Sflr_st,1,7) or Sflr_st=9))
L X (Sflr_cd=002 and any(Sflr_st,2,8))
L X (Sflr_cd=088 and Sflr_st=8)

Q Swipe_cd 1 128 I3

T Household Level Samples - Sill Wipes: Collected

Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (Stage=3 and any(Swipe_cd,001,002,088))
L X (any(Stage,1,2,4) and Swipe_cd=088)

Q Swipe_st 1 131 II

T Household Level Samples - Sill Wipes: Sample Status

Y 1 Completed
Y 2 Not Completed

Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Swipe_cd (F3.0) ''
L X (Swipe_cd=001 and (range(Swipe_st,1,7) or Swipe_st=9))
L X (Swipe_cd=002 and any(Swipe_st,2,8))
L X (Swipe_cd=088 and Swipe_st=8)

Q Stsil_cd 1 132 I3
T Household Level Samples - Sill Thin Film: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F3.0) ''
L X (Stage=3 and any(Stsil_cd,001,002,088))
L X (any(Stage,1,2,4) and Stsil_cd=088)

Q Stsil_st 1 135 I1
T Household Level Samples - Sill Thin Film: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Stsil_cd (F3.0) ''
L X (Stsil_cd=001 and (range(Stsil_st,1,7) or Stsil_st=9))
L X (Stsil_cd=002 and any(Stsil_st,2,8))
L X (Stsil_cd=088 and Stsil_st=8)

Q S_other1 1 136 I2
T Household Level Samples - Other 1
Y -5 Refused Value
Y -8 Default Value
Y -9 Missing value
R (01,10)

Q Soth1_cd 1 138 I3
T Household Level Samples - Other 1: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P S_other1 (F2.0) ''
L X (S_other1=-8 and Soth1_cd=088)
L X (range(S_other1,01,10) and any(Soth1_cd,001,002,088))
L X (Soth1_cd=002 and any(Soth1_st,2,8))

L X (Soth1_cd=088 and Soth1_st=8)

Q Soth1_st 1 141 I1
T Household Level Samples - Other 1: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Soth1_cd (F3.0) ''
L X (Soth1_cd=001 and (range(Sothing1_st,1,7) or Soth1_st=9))
L X (Soth1_cd=002 and any(Sothing1_st,2,8))
L X (Soth1_cd=088 and Soth1_st=8)

Q S_other2 1 142 I2
T Household Level Samples - Other 2
Y -5 Refused Value
Y -8 Default Value
Y -9 Missing value
R (01,10)

Q Soth2_cd 1 144 I3
T Household Level Samples - Other 2: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P S_other2 (F2.0) ''
L X (S_other2=-8 and Soth2_cd=088)
L X (range(S_other2,01,10) and any(Sothing2_cd,001,002,088))

Q Soth2_st 1 147 I1
T Household Level Samples - Other 2: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Soth2_cd (F3.0) ''
L X (Soth2_cd=001 and (range(Sothing2_st,1,7) or Soth2_st=9))
L X (Soth2_cd=002 and any(Sothing2_st,2,8))
L X (Soth2_cd=088 and Soth2_st=8)

Q S_other3 1 148 I2
T Household Level Samples - Other 3
Y -5 Refused Value

Y -8 Default Value
Y -9 Missing value
R (01,10)

Q Soth3_cd 1 150 I3
T Household Level Samples - Other 3: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P S_other3 (F2.0) ''
L X (S_other3=-8 and Soth3_cd=088)
L X (range(S_other3,01,10) and any(Soth3_cd,001,002,088))

Q Soth3_st 1 153 I1
T Household Level Samples - Other 3: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Soth3_cd (F3.0) ''
L X (Soth3_cd=001 and (range(Soth3_st,1,7) or Soth3_st=9))
L X (Soth3_cd=002 and any(Soth3_st,2,8))
L X (Soth3_cd=088 and Soth3_st=8)

Q S_other4 1 154 I2
T Household Level Samples - Other 4
Y -5 Refused Value
Y -8 Default Value
Y -9 Missing value
R (01,10)

Q Soth4_cd 1 156 I3
T Household Level Samples - Other 4: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P S_other4 (F2.0) ''
L X (S_other4=-8 and Soth4_cd=088)
L X (range(S_other4,01,10) and any(Soth4_cd,001,002,088))

Q Soth4_st 1 159 I1
T Household Level Samples - Other 4: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused

Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Soth4_cd (F3.0) ''
L X (Soth4_cd=001 and (range(Soth4_st,1,7) or Soth4_st=9))
L X (Soth4_cd=002 and any(Soth4_st,2,8))
L X (Soth4_cd=088 and Soth4_st=8)

Q S_other5 1 160 I2
T Household Level Samples - Other 5
Y -5 Refused Value
Y -8 Default Value
Y -9 Missing value
R (01,10)

Q Soth5_cd 1 162 I3
T Household Level Samples - Other 5: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P S_other5 (F2.0) ''
L X (S_other5=-8 and Soth5_cd=088)
L X (range(S_other5,01,10) and any(Soth5_cd,001,002,088))

Q Soth5_st 1 165 I1
T Household Level Samples - Other 5: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Soth5_cd (F3.0) ''
L X (Soth5_cd=001 and (range(Soth5_st,1,7) or Soth5_st=9))
L X (Soth5_cd=002 and any(Soth5_st,2,8))
L X (Soth5_cd=088 and Soth5_st=8)

Q S_other6 1 166 I2
T Household Level Samples - Other 6
Y -5 Refused Value
Y -8 Default Value
Y -9 Missing value
R (01,10)

Q Soth6_cd 1 168 I3
T Household Level Samples - Other 6: Collected
Y 001 Y
Y 002 N
Y 088 N/A

P S_other6 (F2.0) ''
L X (S_other6=-8 and Soth6_cd=088)
L X (range(S_other6,01,10) and any(Soth6_cd,001,002,088))

Q Soth6_st 1 171 I1
T Household Level Samples - Other 6: Sample Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing

P Soth6_cd (F3.0) ''
L X (Soth6_cd=001 and (range(Soth6_st,1,7) or Soth6_st=9))
L X (Soth6_cd=002 and any(Soth6_st,2,8))
L X (Soth6_cd=088 and Soth6_st=8)

Q S_other7 1 172 I2
T Household Level Samples - Other 7

Y -5 Refused Value
Y -8 Default Value
Y -9 Missing value
R (01,10)

Q Soth7_cd 1 174 I3
T Household Level Samples - Other 7: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P S_other7 (F2.0) ''
L X (S_other7=-8 and Soth7_cd=088)
L X (range(S_other7,01,10) and any(Soth7_cd,001,002,088))

Q Soth7_st 1 177 I1
T Household Level Samples - Other 7: Sample Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Soth7_cd (F3.0) ''
L X (Soth7_cd=001 and (range(Soth7_st,1,7) or Soth7_st=9))
L X (Soth7_cd=002 and any(Soth7_st,2,8))
L X (Soth7_cd=088 and Soth7_st=8)

Q Fpid_cd 1 178 I3

T Household Level Forms - PID Sheet: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Spidi_cd (F3.0) '' , Spido_cd (F3.0) ''

L X (any(Spidi_cd,001,002,088) or any(Spido_cd,001,002,088)) and any(Fpid_cd,001,002,088)

L X (Spidi_cd=088 and Spido_cd=088) and Fpid_cd=088

Q Fpid_st 1 181 I1

T Household Level Forms - PID Sheet: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fpid_cd (F3.0) ''

L X (Fpid_cd=001 and (range(Fpid_st,1,7) or Fpid_st=9))

L X (Fpid_cd=002 and any(Fpid_st,2,8))

L X (Fpid_cd=088 and Fpid_st=8)

Q Fsent_cd 1 182 I3

T Household Level Forms - Sentinel: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Ssent_cd (F3.0) ''

L X (any(Ssent_cd,001,002,088) and any(Fsent_cd,001,002,088))

L X (Ssent_cd=088 and Fsent_cd=088)

Q Fsent_st 1 185 I1

T Household Level Forms - Sentinel: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fsent_cd (F3.0) ''

L X (Fsent_cd=001 and (range(Fsent_st,1,7) or Fsent_st=9))

L X (Fsent_cd=002 and any(Fsent_st,2,8))

L X (Fsent_cd=088 and Fsent_st=8)

Q FWatm_cd 1 186 I3

T Household Level Forms - Wat Metals: Collected

Y 001 Y

Y 002 N

Y 088 N/A
P SWatm_cd (F3.0) ''
L X (any(SWatm_cd,001,002,088) and any(FWatm_cd,001,002,088))
L X (SWatm_cd=088 and FWatm_cd=088)

Q FWatm_st 1 189 I1
T Household Level Forms - Wat Metals: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P FWatm_cd (F3.0) ''
L X (FWatm_cd=001 and (range(FWatm_st,1,7) or FWatm_st=9))
L X (FWatm_cd=002 and any(FWatm_st,2,8))
L X (FWatm_cd=088 and FWatm_st=8)

Q FWatp_cd 1 190 I3
T Household Level Forms - Wat Pests: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P SWatp_cd (F3.0) ''
L X (any(SWatp_cd,001,002,088) and any(FWatp_cd,001,002,088))
L X (SWatp_cd=088 and FWatp_cd=088)

Q FWatp_st 1 193 I1
T Household Level Forms - Wat Pests: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P FWatp_cd (F3.0) ''
L X (FWatp_cd=001 and (range(FWatp_st,1,7) or FWatp_st=9))
L X (FWatp_cd=002 and any(FWatp_st,2,8))
L X (FWatp_cd=088 and FWatp_st=8)

Q FWatv_cd 1 194 I3
T Household Level Forms - Wat VOCS: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P SWatv_cd (F3.0) ''
L X (any(SWatv_cd,001,002,088) and any(FWatv_cd,001,002,088))

L X (SWatv_cd=088 and FWatv_cd=088)

Q FWatv_st 1 197 I1
T Household Level Forms - Wat VOCS: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P FWatv_cd (F3.0) ''
L X (FWatv_cd=001 and (range(FWatv_st,1,7) or FWatv_st=9))
L X (FWatv_cd=002 and any(FWatv_st,2,8))
L X (FWatv_cd=088 and FWatv_st=8)

Q FWatc_cd 1 198 I3
T Household Level Forms - Wat Carb: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P SWatc_cd (F3.0) ''
L X (any(SWatc_cd,001,002,088) and any(FWatc_cd,001,002,088))
L X (SWatc_cd=088 and FWatc_cd=088)

Q FWatc_st 1 201 I1
T Household Level Forms - Wat Carb: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P FWatc_cd (F3.0) ''
L X (FWatc_cd=001 and (range(FWatc_st,1,7) or FWatc_st=9))
L X (FWatc_cd=002 and any(FWatc_st,2,8))
L X (FWatc_cd=088 and FWatc_st=8)

Q Fovm_cd 1 202 I3
T Household Level Forms - OVM & HCOC: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Sovmi_cd (F3.0) '', Sovmo_cd (F3.0) ''
L X (any(Sovmi_cd,001,002,088) or any(Sovmo_cd,001,002,088)) and any(Fovm_cd,001,002,088)
L X (Sovmi_cd=088 and Sovmo_cd=088) and Fovm_cd=088

Q Fovm_st 1 205 I1

T Household Level Forms - OVM & HCOC: Sample Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fovm_cd (F3.0) ''
L X (Fovm_cd=001 and (range(Fovm_st,1,7) or Fovm_st=9))
L X (Fovm_cd=002 and any(Fovm_st,2,8))
L X (Fovm_cd=088 and Fovm_st=8)

Q Fvoc_cd 1 206 I3

T Household Level Forms - Active VOC: Collected

Y 001 Y
Y 002 N
Y 088 N/A
P Scrbi_cd (F3.0) '' , Scrbo_cd (F3.0) ''
L X (any(Scrbi_cd,001,002,088) or any(Scrbo_cd,001,002,088)) and any(Fvoc_cd,001,002,088)
L X (Scrbi_cd=088 and Scrbo_cd=088) and Fvoc_cd=088

Q Fvoc_st 1 209 II

T Household Level Forms - Active VOC: Sample Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fvoc_cd (F3.0) ''
L X (Fvoc_cd=001 and (range(Fvoc_st,1,7) or Fvoc_st=9))
L X (Fvoc_cd=002 and any(Fvoc_st,2,8))
L X (Fvoc_cd=088 and Fvoc_st=8)

Q Fpm_cd 1 210 I3

T Household Level Forms - PM Sheet: Collected

Y 001 Y
Y 002 N
Y 088 N/A
P Spmin_cd (F3.0) ''
L X (any(Spmin_cd,001,002,088) or any(Spmot_cd,001,002,088)) and Any(Fpm_cd,001,002,088)
L X (Spmin_cd=088 and Spmot_cd=088) and Fpm_cd=088

Q Fpm_st 1 213 II

T Household Level Forms - PM Sheet: Sample Status

Y 1 Completed
Y 2 Not Completed

Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fpm_cd (F3.0) ''
L X (Fpm_cd=001 and (range(Fpm_st,1,7) or Fpm_st=9))
L X (Fpm_cd=002 and any(Fpm_st,2,8))
L X (Fpm_cd=088 and Fpm_st=8)

Q Fsoil_cd 1 214 I3
T Household Level Forms - Soil Sampling: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Syard_cd (F3.0) '', Sfnd_cd (F3.0) ''
L X (any(Syard_cd,001,002,088) or any(Sfnd_cd,001,002,088) and any(Fsoil_cd,001,002,088))
L X (Syard_cd=088 and Sfnd_cd=088) and Fsoil_cd=088

Q Fsoil_st 1 217 I1
T Household Level Forms - Soil Sampling: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fsoil_cd (F3.0) ''
L X (Fsoil_cd=001 and (range(Fsoil_st,1,7) or Fsoil_st=9))
L X (Fsoil_cd=002 and any(Fsoil_st,2,8))
L X (Fsoil_cd=088 and Fsoil_st=8)

Q Fflr_cd 1 218 I3
T Household Level Forms - Floor Dust: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Sflr_cd (F3.0) ''
L X (any(Sflr_cd,001,002,088) and any(Fflr_cd,001,002,088))
L X (Sflr_cd=088 and Fflr_cd=088)

Q Fflr_st 1 221 I1
T Household Level Forms - Floor Dust: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused

Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fflr_cd (F3.0) ''
L X (Fflr_cd=001 and (range(Fflr_st,1,7) or Fflr_st=9))
L X (Fflr_cd=002 and any(Fflr_st,2,8))
L X (Fflr_cd=088 and Fflr_st=8)

Q Ftech_cd 1 222 I3
T Household Level Forms - Tech QX: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Ftech_cd,001,002,088))
L X (any(Stage,1,4) and Ftech_cd=088)

Q Ftech_st 1 225 I1
T Household Level Forms - Tech QX: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Ftech_cd (F3.0) ''
L X (Ftech_cd=001 and (range(Ftech_st,1,7) or Ftech_st=9))
L X (Ftech_cd=002 and any(Ftech_st,2,8))
L X (Ftech_cd=088 and Ftech_st=8)

Q Fdesc_cd 1 226 I3
T Household Level Forms - Descriptive: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fdesc_cd,001,002,088))
L X (any(Stage,1,4) and Fdesc_cd=088)

Q Fdesc_st 1 229 I1
T Household Level Forms - Descriptive: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing

P Fdesc_cd (F3.0) ''
L X (Fdesc_cd=001 and (range(Fdesc_st,1,7) or Fdesc_st=9))
L X (Fdesc_cd=002 and any(Fdesc_st,2,8))
L X (Fdesc_cd=088 and Fdesc_st=8)

Q F_other1 1 230 I2
T Household Level Forms - Other 1
Y -5 Refused
Y -8 Not applicable
Y -9 Missing
R (01,20)
L X (any(Stage,1,2,3,4) and (range(F_other1,01,20) or any(F_other1,-5,-8,-9)))

Q Foth1_cd 1 232 I3
T Household Level Forms - Other 1: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P F_other1 (F1.0) ''
L X (F_other1=-8 and Foth1_cd=088)
L X (range(F_other1,01,20) and any(Foth1_cd,001,002,088))

Q Foth1_st 1 235 I1
T Household Level Forms - Other 1: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Foth1_cd (F3.0) ''
L X (Foth1_cd=001 and (range(Foth1_st,1,7) or Foth1_st=9))
L X (Foth1_cd=002 and any(Foth1_st,2,8))
L X (Foth1_cd=088 and Foth1_st=8)

Q F_other2 1 236 I2
T Household Level Forms - Other 2
Y -5 Refused
Y -8 Not applicable
Y -9 Missing
P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and (range(F_other2,01,20) or any(F_other2,-5,-8,-9)))

Q Foth2_cd 1 238 I3
T Household Level Forms - Other 2: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P F_other2 (F1.0) ''

L X (F_other2==8 and Foth2_cd=088)
L X (range(F_other2,01,20) and any(Foth2_cd,001,002,088))

Q Foth2_st 1 241 I1
T Household Level Forms - Other 2: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Foth2_cd (F3.0) ''
L X (Foth2_cd=001 and (range(Foth2_st,1,7) or Foth2_st=9))
L X (Foth2_cd=002 and any(Foth2_st,2,8))
L X (Foth2_cd=088 and Foth2_st=8)

Q F_other3 1 242 I2
T Household Level Forms - Other 3
Y -5 Refused
Y -8 Not applicable
Y -9 Missing
P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and (range(F_other3,01,20) or any(F_other3,-5,-8,-9)))

Q Foth3_cd 1 244 I3
T Household Level Forms - Other 3: Collected
P F_other3 (F1.0) ''
L X (F_other3=-8 and Foth3_cd=088)
L X (range(F_other3,01,20) and any(Foth3_cd,001,002,088))

Q Foth3_st 1 247 I1
T Household Level Forms - Other 3: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Foth3_cd (F3.0) ''
L X (Foth3_cd=001 and (range(Foth3_st,1,7) or Foth3_st=9))
L X (Foth3_cd=002 and any(Foth3_st,2,8))
L X (Foth3_cd=088 and Foth3_st=8)

Q F_other4 1 248 I2
T Household Level Forms - Other 4
Y -5 Refused
Y -8 Not applicable

Y -9 Missing

P Stage (F1.0) ''

L X (any(Stage,1,2,3,4) and (range(F_other4,01,20) or any(F_other4,-5,-8,-9)))

Q Foth4_cd 1 250 I3

T Household Level Forms - Other 4: Collected

P F_other4 (F1.0) ''

L X (F_other4=-8 and Foth4_cd=088)

L X (range(F_other4,01,20) and any(Foth4_cd,001,002,088))

Q Foth4_st 1 253 I1

T Household Level Forms - Other 4: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Foth4_cd (F3.0) ''

L X (Foth4_cd=001 and (range(Foth4_st,1,7) or Foth4_st=9))

L X (Foth4_cd=002 and any(Foth4_st,2,8))

L X (Foth4_cd=088 and Foth4_st=8)

Q Fcon_cd1 1 254 I3

T Individual Level Forms - IRN #1: Consent

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (any(Stage,1,2,3,4) and any(Fcon_cd1,001,002,088))

Q Fcon_st1 1 257 I1

T Individual Level Forms - IRN #1: Consent: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fcon_cd1 (F3.0) ''

L X (Fcon_cd1=001 and (range(Fcon_st1,1,7) or Fcon_st1=9))

L X (Fcon_cd1=002 and any(Fcon_st1,2,5,8))

L X (Fcon_cd1=088 and Fcon_st1=8)

Q Fbas_cd1 1 258 I3

T Individual Level Forms - IRN #1: Baseline QX

Y 001 Y

Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbas_cd1,001,002,088))
L X (any(Stage,1,4) and Fbas_cd1=088)

Q Fbas_st1 1 261 I1
T Individual Level Forms - IRN #1: Baseline QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbas_cd1 (F3.0) ''
L X (Fbas_cd1=001 and (range(Fbas_st1,1,7) or Fbas_st1=9))
L X (Fbas_cd1=002 and any(Fbas_st1,2,8))
L X (Fbas_cd1=088 and Fbas_st1=8)

Q Fact_cd1 1 262 I3
T Individual Level Forms - IRN #1: Activity Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd1 (F3.0) ''
L X (any(Fbas_cd1,001,002,088) and any(Fact_cd1,001,002,088))
L X (Fbas_cd1=088 and Fact_cd1=088)

Q Fact_st1 1 265 I1
T Individual Level Forms - IRN #1: Activity Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fact_cd1 (F3.0) ''
L X (Fact_cd1=001 and (range(Fact_st1,1,7) or Fact_st1=9))
L X (Fact_cd1=002 and any(Fact_st1,2,8))
L X (Fact_cd1=088 and Fact_st1=8)

Q Fllw_cd1 1 266 I3
T Individual Level Forms - IRN #1: Follow Up QX
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd1 (F3.0) ''

L X (any(Fbas_cd1,001,002,088) and any(Fllw_cd1,001,002,088))
L X (Fbas_cd1=088 and Fllw_cd1=088)

Q Fllw_st1 1 269 I1
T Individual Level Forms - IRN #1: Follow Up QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fllw_cd1 (F3.0) ''
L X (Fllw_cd1=001 and (range(Fllw_st1,1,7) or Fllw_st1=9))
L X (Fllw_cd1=002 and any(Fllw_st1,2,8))
L X (Fllw_cd1=088 and Fllw_st1=8)

Q Fdck_cd1 1 270 I3
T Individual Level Forms - IRN #1: Diet Checklist
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) '', Fbas_cd1 (F3.0) ''
L X (any(Fbas_cd1,001,002,088) and any(Stage,2,3)) and any(Fdck_cd1,001,002,088)
L X ((Fbas_cd1=088 or any(Stage,1,4)) and Fdck_cd1=088)

Q Fdck_st1 1 273 I1
T Individual Level Forms - IRN #1: Diet Checklist: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fdck_cd1 (F3.0) ''
L X (Fdck_cd1=001 and (range(Fdck_st1,1,7) or Fdck_st1=9))
L X (Fdck_cd1=002 and any(Fdck_st1,2,8))
L X (Fdck_cd1=088 and Fdck_st1=8)

Q Fdia_cd1 1 274 I3
T Individual Level Forms - IRN #1: Diet Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) '', Fbas_cd1 (F3.0) ''
L X (any(Fbas_cd1,001,002,088) and Stage=3) and any(Fdia_cd1,001,002,088)
L X ((Fbas_cd1=088 or any(Stage,1,2,4)) and any(Fdia_cd1,002,088))

Q Fdia_st1 1 277 I1
T Individual Level Forms - IRN #1: Diet Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fdia_cd1 (F3.0) ''
L X (Fdia_cd1=001 and (range(Fdia_st1,1,7) or Fdia_st1=9))
L X (Fdia_cd1=002 and any(Fdia_st1,2,8))
L X (Fdia_cd1=088 and Fdia_st1=8)

Q Fdfl_cd1 1 278 I3
T Individual Level Forms - IRN #1: Diet Follow Up
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) '', Fbas_cd1 (F3.0) ''
L X (any(Fbas_cd1,001,002,088) and Stage=3) and any(Fdfl_cd1,001,002,088)
L X ((Fbas_cd1=088 or any(Stage,1,2,4)) and any(Fdfl_cd1,002,088))

Q Fdfl_st1 1 281 I1
T Individual Level Forms - IRN #1: Diet Follow Up: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fdfl_cd1 (F3.0) ''
L X (Fdfl_cd1=001 and (range(Fdfl_st1,1,7) or Fdfl_st1=9))
L X (Fdfl_cd1=002 and any(Fdfl_st1,2,8))
L X (Fdfl_cd1=088 and Fdfl_st1=8)

Q Find_oth 1 282 I2
T Other Form Code
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,20)

Q Ifot_cd1 1 284 I3
T Individual Level Forms - IRN #1: Other Form
Y 001 Y
Y 002 N
Y 088 N/A

P Fbas_cd1 (F3.0) ''
L X (any(Fbas_cd1,001,002,088) and any(Ifot_cd1,001,002,088))
L X (Fbas_cd1=088 and Ifot_cd1=088)

Q Ifot_st1 1 287 I1
T Individual Level Forms - IRN #1: Other Form: Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing

P Ifot_cd1 (F3.0) ''
L X (Ifot_cd1=001 and (range(Ifot_st1,1,7) or Ifot_st1=9))
L X (Ifot_cd1=002 and any(Ifot_st1,2,8))
L X (Ifot_cd1=088 and Ifot_st1=8)

Q Fcon_cd2 1 288 I3
T Individual Level Forms - IRN #2: Consent

Y 001 Y
Y 002 N
Y 088 N/A

P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and any(Fcon_cd2,001,002,088))

Q Fcon_st2 1 291 I1
T Individual Level Forms - IRN #2: Consent

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing

P Fcon_cd2 (F3.0) ''
L X (Fcon_cd2=001 and (range(Fcon_st2,1,7) or Fcon_st2=9))
L X (Fcon_cd2=002 and any(Fcon_st2,2,5,8))
L X (Fcon_cd2=088 and Fcon_st2=8)

Q Fbas_cd2 1 292 I3
T Individual Level Forms - IRN #2: Baseline QX

Y 001 Y
Y 002 N
Y 088 N/A

P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbas_cd2,001,002,088))
L X (any(Stage,1,4) and Fbas_cd2=088)

Q Fbas_st2 1 295 I1
T Individual Level Forms - IRN #2: Baseline QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbas_cd2 (F3.0) ''
L X (Fbas_cd2=001 and (range(Fbas_st2,1,7) or Fbas_st2=9))
L X (Fbas_cd2=002 and any(Fbas_st2,2,8))
L X (Fbas_cd2=088 and Fbas_st2=8)

Q Fact_cd2 1 296 I3
T Individual Level Forms - IRN #2: Activity Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd2 (F3.0) ''
L X (any(Fbas_cd2,001,002,088) and any(Fact_cd2,001,002,088))
L X (Fbas_cd2=088 and Fact_cd2=088)

Q Fact_st2 1 299 I1
T Individual Level Forms - IRN #2: Activity Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fact_cd2 (F3.0) ''
L X (Fact_cd2=001 and (range(Fact_st2,1,7) or Fact_st2=9))
L X (Fact_cd2=002 and any(Fact_st2,2,8))
L X (Fact_cd2=088 and Fact_st2=8)

Q Fllw_cd2 1 300 I3
T Individual Level Forms - IRN #2: Follow Up QX
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd2 (F3.0) ''
L X (any(Fbas_cd2,001,002,088) and any(Fllw_cd2,001,002,088))
L X (Fbas_cd2=088 and Fllw_cd2=088)

Q Fllw_st2 1 303 I1
T Individual Level Forms - IRN #2: Follow Up QX: Status
Y 1 Completed

Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fllw_cd2 (F3.0) ''
L X (Fllw_cd2=001 and (range(Fllw_st2,1,7) or Fllw_st2=9))
L X (Fllw_cd2=002 and any(Fllw_st2,2,8))
L X (Fllw_cd2=088 and Fllw_st2=8)

Q Fdck_cd2 1 304 I3
T Individual Level Forms - IRN #2: Diet Checklist
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) '', Fbas_cd2 (F3.0) ''
L X (any(Fbas_cd2,001,002,088) and any(Stage,2,3)) and any(Fdck_cd2,001,002,088)
L X ((Fbas_cd2=088 or any(Stage,1,4)) and Fdck_cd2=088)

Q Fdck_st2 1 307 I1
T Individual Level Forms - IRN #2: Diet Checklist: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fdck_cd2 (F3.0) ''
L X (Fdck_cd2=001 and (range(Fdck_st2,1,7) or Fdck_st2=9))
L X (Fdck_cd2=002 and any(Fdck_st2,2,8))
L X (Fdck_cd2=088 and Fdck_st2=8)

Q Fdia_cd2 1 308 I3
T Individual Level Forms - IRN #2: Diet Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) '', Fbas_cd2 (F3.0) ''
L X (any(Fbas_cd2,001,002,088) and Stage=3) and any(Fdia_cd2,001,002,088)
L X ((Fbas_cd2=088 or any(Stage,1,2,4)) and any(Fdia_cd2,002,088))

Q Fdia_st2 1 311 I1
T Individual Level Forms - IRN #2: Diet Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected

Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fdia_cd2 (F3.0) ''
L X (Fdia_cd2=001 and (range(Fdia_st2,1,7) or Fdia_st2=9))
L X (Fdia_cd2=002 and any(Fdia_st2,2,8))
L X (Fdia_cd2=088 and Fdia_st2=8)

Q Fdfl_cd2 1 312 I3
T Individual Level Forms - IRN #2: Diet Follow Up
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) '', Fbas_cd2 (F3.0) ''
L X (any(Fbas_cd2,001,002,088) and Stage=3) and any(Fdfl_cd2,001,002,088)
L X ((Fbas_cd2=088 or any(Stage,1,2,4)) and any(Fdfl_cd2,002,088))

Q Fdfl_st2 1 315 II
T Individual Level Forms - IRN #2: Diet Follow Up: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fdfl_cd2 (F3.0) ''
L X (Fdfl_cd2=001 and (range(Fdfl_st2,1,7) or Fdfl_st2=9))
L X (Fdfl_cd2=002 and any(Fdfl_st2,2,8))
L X (Fdfl_cd2=088 and Fdfl_st2=8)

Q Ifot_cd2 1 316 I3
T Individual Level Forms - IRN #2: Other Form
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd2 (F3.0) ''
L X (any(Fbas_cd2,001,002,088) and any(Ifot_cd2,001,002,088))
L X (Fbas_cd2=088 and Ifot_cd2=088)

Q Ifot_st2 1 319 II
T Individual Level Forms - IRN #2: Other Form: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A

Y 9 Missing
P Ifot_cd2 (F3.0) ''
L X (Ifot_cd2=001 and (range(Ifot_st2,1,7) or Ifot_st2=9))
L X (Ifot_cd2=002 and any(Ifot_st2,2,8))
L X (Ifot_cd2=088 and Ifot_st2=8)

Q Fcon_cd3 1 320 I3
T Individual Level Forms - IRN #3: Consent
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and any(Fcon_cd3,001,002,088))

Q Fcon_st3 1 323 I1
T Individual Level Forms - IRN #3: Consent: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fcon_cd3 (F3.0) ''
L X (Fcon_cd3=001 and (range(Fcon_st3,1,7) or Fcon_st3=9))
L X (Fcon_cd3=002 and any(Fcon_st3,2,5,8))
L X (Fcon_cd3=088 and Fcon_st3=8)

Q Fbas_cd3 1 324 I3
T Individual Level Forms - IRN #3: Baseline QX
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbas_cd3,001,002,088))
L X (any(Stage,1,4) and Fbas_cd3=088)

Q Fbas_st3 1 327 I1
T Individual Level Forms - IRN #3: Baseline QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbas_cd3 (F3.0) ''
L X (Fbas_cd3=001 and (range(Fbas_st3,1,7) or Fbas_st3=9))
L X (Fbas_cd3=002 and any(Fbas_st3,2,8))

L X (Fbas_cd3=088 and Fbas_st3=8)

Q Fact_cd3 1 328 I3
T Individual Level Forms - IRN #3: Activity Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd3 (F3.0) ''
L X (any(Fbas_cd3,001,002,088) and any(Fact_cd3,001,002,088))
L X (Fbas_cd3=088 and Fact_cd3=088)

Q Fact_st3 1 331 I1
T Individual Level Forms - IRN #3: Activity Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fact_cd3 (F3.0) ''
L X (Fact_cd3=001 and (range(Fact_st3,1,7) or Fact_st3=9))
L X (Fact_cd3=002 and any(Fact_st3,2,8))
L X (Fact_cd3=088 and Fact_st3=8)

Q Fllw_cd3 1 332 I3
T Individual Level Forms - IRN #3: Follow Up QX
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd3 (F3.0) ''
L X (any(Fbas_cd3,001,002,088) and any(Fllw_cd3,001,002,088))
L X (Fbas_cd3=088 and Fllw_cd3=088)

Q Fllw_st3 1 335 I1
T Individual Level Forms - IRN #3: Follow Up QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fllw_cd3 (F3.0) ''
L X (Fllw_cd3=001 and (range(Fllw_st3,1,7) or Fllw_st3=9))
L X (Fllw_cd3=002 and any(Fllw_st3,2,8))
L X (Fllw_cd3=088 and Fllw_st3=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_cd3 1 336 I3
T Individual Level Forms - IRN #3: Diet Checklist
Y 002 N
Y 088 N/A
P Fbas_cd3 (F3.0) ''
L X (any(Fbas_cd3,001,002,088) and any(Fdck_cd3,002,088))

* This respondent should not be given this form, so this variable is N/A.
Q Fdck_st3 1 339 II
T Individual Level Forms - IRN #3: Diet Checklist: Status
Y 8 N/A
P Fdck_cd3 (F3.0) ''
L X (any(Fdck_cd3,002,088) and Fdck_st3=8)

* This respondent should not be given this form, so this variable is N/A.
Q Fdia_cd3 1 340 I3
T Individual Level Forms - IRN #3: Diet Diary
Y 002 N
Y 088 N/A
P Fbas_cd3 (F3.0) ''
L X (any(Fbas_cd3,001,002,088) and any(Fdia_cd3,002,088))

* This respondent should not be given this form, so this variable is N/A.
Q Fdia_st3 1 343 II
T Individual Level Forms - IRN #3: Diet Diary: Status
Y 8 N/A
P Fdia_cd3 (F3.0) ''
L X (any(Fdia_cd3,002,088) and Fdia_st3=8)

* This respondent should not be given this form, so this variable is N/A.
Q Fdfl_cd3 1 344 I3
T Individual Level Forms - IRN #3: Diet Follow Up
Y 002 N
Y 088 N/A
P Fbas_cd3 (F3.0) ''
L X (any(Fbas_cd3,001,002,088) and any(Fdfl_cd3,002,088))

* This respondent should not be given this form, so this variable is N/A.
Q Fdfl_st3 1 347 II
T Individual Level Forms - IRN #3: Diet Follow Up: Status
Y 8 N/A
P Fdfl_cd3 (F3.0) ''
L X (any(Fdfl_cd3,002,088) and Fdfl_st3=8)

Q Ifot_cd3 1 348 I3
T Individual Level Forms - IRN #3: Other Form
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd3 (F3.0) ''
L X (any(Fbas_cd3,001,002,088) and any(Ifot_cd3,001,002,088))

L X (Fbas_cd3=088 and Ifot_cd3=088)

Q Ifot_st3 1 351 I1
T Individual Level Forms - IRN #3: Other Form: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Ifot_cd3 (F3.0) ''
L X (Ifot_cd3=001 and (range(Ifot_st3,1,7) or Ifot_st3=9))
L X (Ifot_cd3=002 and any(Ifot_st3,2,8))
L X (Ifot_cd3=088 and Ifot_st3=8)

Q Fcon_cd4 1 352 I3
T Individual Level Forms - IRN #4: Consent
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and any(Fcon_cd4,001,002,088))

Q Fcon_st4 1 355 I1
T Individual Level Forms - IRN #4: Consent: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fcon_cd4 (F3.0) ''
L X (Fcon_cd4=001 and (range(Fcon_st4,1,7) or Fcon_st4=9))
L X (Fcon_cd4=002 and any(Fcon_st4,2,5,8))
L X (Fcon_cd4=088 and Fcon_st4=8)

Q Fbas_cd4 1 356 I3
T Individual Level Forms - IRN #4: Baseline QX
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbas_cd4,001,002,088))
L X (any(Stage,1,4) and Fbas_cd4=088)

Q Fbas_st4 1 359 I1
T Individual Level Forms - IRN #4: Baseline QX: Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbas_cd4 (F3.0) ''
L X (Fbas_cd4=001 and (range(Fbas_st4,1,7) or Fbas_st4=9))
L X (Fbas_cd4=002 and any(Fbas_st4,2,8))
L X (Fbas_cd4=088 and Fbas_st4=8)

Q Fact_cd4 1 360 I3
T Individual Level Forms - IRN #4: Activity Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd4 (F3.0) ''
L X (any(Fbas_cd4,001,002,088) and any(Fact_cd4,001,002,088))
L X (Fbas_cd4=088 and Fact_cd4=088)

Q Fact_st4 1 363 I1
T Individual Level Forms - IRN #4: Activity Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fact_cd4 (F3.0) ''
L X (Fact_cd4=001 and (range(Fact_st4,1,7) or Fact_st4=9))
L X (Fact_cd4=002 and any(Fact_st4,2,5,8))
L X (Fact_cd4=088 and Fact_st4=8)

Q Fllw_cd4 1 364 I3
T Individual Level Forms - IRN #4: Follow Up QX
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd4 (F3.0) ''
L X (any(Fbas_cd4,001,002,088) and any(Fllw_cd4,001,002,088))
L X (Fbas_cd4=088 and Fllw_cd4=088)

Q Fllw_st4 1 367 I1
T Individual Level Forms - IRN #4: Follow Up QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fllw_cd4 (F3.0) ''

L X (Fllw_cd4=001 and (range(Fllw_st4,1,7) or Fllw_st4=9))

L X (Fllw_cd4=002 and any(Fllw_st4,2,8))

L X (Fllw_cd4=088 and Fllw_st4=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_cd4 1 368 I3

T Individual Level Forms - IRN #4: Diet Checklist

Y 002 N

Y 088 N/A

P Fbas_cd4 (F3.0) ''

L X (any(Fbas_cd4,001,002,088) and any(Fdck_cd4,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_st4 1 371 I1

T Individual Level Forms - IRN #4: Diet Checklist: Status

Y 8 N/A

P Fdck_cd4 (F3.0) ''

L X (any(Fdck_cd4,002,088) and Fdck_st4=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_cd4 1 372 I3

T Individual Level Forms - IRN #4: Diet Diary

Y 002 No

Y 088 N/A

P Fbas_cd4 (F3.0) ''

L X (any(Fbas_cd4,001,002,088) and any(Fdia_cd4,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_st4 1 375 I1

T Individual Level Forms - IRN #4: Diet Diary: Status

Y 8 N/A

P Fdia_cd4 (F3.0) ''

L X (any(Fdia_cd4,002,088) and Fdia_st4=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_cd4 1 376 I3

T Individual Level Forms - IRN #4: Diet Follow Up

Y 002 No

Y 088 N/A

P Fbas_cd4 (F3.0) ''

L X (any(Fbas_cd4,001,002,088) and any(Fdfl_cd4,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_st4 1 379 I1

T Individual Level Forms - IRN #4: Diet Follow Up: Status

Y 8 N/A
P Fdfl_cd4 (F3.0) ''
L X (any(Fdfl_cd4,002,088) and Fdfl_st4=8)

Q Ifot_cd4 1 380 I3
T Individual Level Forms - IRN #4: Other Form
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd4 (F3.0) ''
L X (any(Fbas_cd4,001,002,088) and any(Ifot_cd4,001,002,088))
L X (Fbas_cd4=088 and Ifot_cd4=088)

Q Ifot_st4 1 383 I1
T Individual Level Forms - IRN #4: Other Form: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Ifot_cd4 (F3.0) ''
L X (Ifot_cd4=001 and (range(Ifot_st4,1,7) or Ifot_st4=9))
L X (Ifot_cd4=002 and any(Ifot_st4,2,8))
L X (Ifot_cd4=088 and Ifot_st4=8)

Q Fcon_cd5 1 384 I3
T Individual Level Forms - IRN #5: Consent
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and any(Fcon_cd5,001,002,088))

Q Fcon_st5 1 387 I1
T Individual Level Forms - IRN #5: Consent: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fcon_cd5 (F3.0) ''
L X (Fcon_cd5=001 and (range(Fcon_st5,1,7) or Fcon_st5=9))
L X (Fcon_cd5=002 and any(Fcon_st5,2,5,8))
L X (Fcon_cd5=088 and Fcon_st5=8)

Q Fbas_cd5 1 388 I3
T Individual Level Forms - IRN #5: Baseline QX
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbas_cd5,001,002,088))
L X (any(Stage,1,4) and Fbas_cd5=088)

Q Fbas_st5 1 391 II
T Individual Level Forms - IRN #5: Baseline QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbas_cd5 (F3.0) ''
L X (Fbas_cd5=001 and (range(Fbas_st5,1,7) or Fbas_st5=9))
L X (Fbas_cd5=002 and any(Fbas_st5,2,8))
L X (Fbas_cd5=088 and Fbas_st5=8)

Q Fact_cd5 1 392 I3
T Individual Level Forms - IRN #5: Activity Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd5 (F3.0) ''
L X (any(Fbas_cd5,001,002,088) and any(Fact_cd5,001,002,088))
L X (Fbas_cd5=088 and Fact_cd5=088)

Q Fact_st5 1 395 II
T Individual Level Forms - IRN #5: Activity Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fact_cd5 (F3.0) ''
L X (Fact_cd5=001 and (range(Fact_st5,1,7) or Fact_st5=9))
L X (Fact_cd5=002 and any(Fact_st5,2,8))
L X (Fact_cd5=088 and Fact_st5=8)

Q Flw_cd5 1 396 I3
T Individual Level Forms - IRN #5: Follow Up QX
Y 001 Y

Y 002 N
Y 088 N/A
P Fbas_cd5 (F3.0) ''
L X (any(Fbas_cd5,001,002,088) and any(Fllw_cd5,001,002,088))
L X (Fbas_cd5=088 and Fllw_cd5=088)

Q Fllw_st5 1 399 I1
T Individual Level Forms - IRN #5: Follow Up QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fllw_cd5 (F3.0) ''
L X (Fllw_cd5=001 and (range(Fllw_st5,1,7) or Fllw_st5=9))
L X (Fllw_cd5=002 and any(Fllw_st5,2,8))
L X (Fllw_cd5=088 and Fllw_st5=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_cd5 1 400 I3
T Individual Level Forms - IRN #5: Diet Checklist
Y 002 N
Y 088 N/A
P Fbas_cd5 (F3.0) ''
L X (any(Fbas_cd5,001,002,088) and any(Fdck_cd5,002,088))

Q Fdck_st5 1 403 I1
* This respondent should not be given this form, so this variable is N/A.
T Individual Level Forms - IRN #5: Diet Checklist: Status
Y 8 N/A
P Fdck_cd5 (F3.0) ''
L X (any(Fdck_cd5,002,088) and Fdck_st5=8)

* This respondent should not be given this form, so this variable is N/A.
Q Fdia_cd5 1 404 I3
T Individual Level Forms - IRN #5: Diet Diary
Y 002 N
Y 088 N/A
P Fbas_cd5 (F3.0) ''
L X (any(Fbas_cd5,001,002,088) and any(Fdia_cd5,002,088))

* This respondent should not be given this form, so this variable is N/A.
Q Fdia_st5 1 407 I1
T Individual Level Forms - IRN #5: Diet Diary: Status
Y 8 N/A
P Fdia_cd5 (F3.0) ''
L X (any(Fdia_cd5,002,088) and Fdia_st5=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_cd5 1 408 I3
T Individual Level Forms - IRN #5: Diet Follow Up

Y 002 N

Y 088 N/A

P Fbas_cd5 (F3.0) ''

L X (any(Fbas_cd5,001,002,088) and any(Fdfl_cd5,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_st5 1 411 I1
T Individual Level Forms - IRN #5: Diet Follow Up: Status

Y 8 N/A

P Fdfl_cd5 (F3.0) ''

L X (any(Fdfl_cd5,002,088) and Fdfl_st5=8)

Q Ifot_cd5 1 412 I3

T Individual Level Forms - IRN #5: Other Form

Y 001 Y

Y 002 N

Y 088 N/A

P Fbas_cd5 (F3.0) ''

L X (any(Fbas_cd5,001,002,088) and any(Ifot_cd5,001,002,088))

L X (Fbas_cd5=088 and Ifot_cd5=088)

Q Ifot_st5 1 415 I1

T Individual Level Forms - IRN #5: Other Form: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Ifot_cd5 (F3.0) ''

L X (Ifot_cd5=001 and (range(Ifot_st5,1,7) or Ifot_st5=9))

L X (Ifot_cd5=002 and any(Ifot_st5,2,8))

L X (Ifot_cd5=088 and Ifot_st5=8)

Q Fcon_cd6 1 416 I3

T Individual Level Forms - IRN #6: Consent

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (any(Stage,1,2,3,4) and any(Fcon_cd6,001,002,088))

Q Fcon_st6 1 419 I1

T Individual Level Forms - IRN #6: Consent: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fcon_cd6 (F3.0) ''

L X (Fcon_cd6=001 and (range(Fcon_st6,1,7) or Fcon_st6=9))

L X (Fcon_cd6=002 and any(Fcon_st6,2,5,8))

L X (Fcon_cd6=088 and Fcon_st6=8)

Q Fbas_cd6 1 420 I3

T Individual Level Forms - IRN #6: Baseline QX

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (any(Stage,2,3) and any(Fbas_cd6,001,002,088))

L X (any(Stage,1,4) and Fbas_cd6=088)

Q Fbas_st6 1 423 II

T Individual Level Forms - IRN #6: Baseline QX: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fbas_cd6 (F3.0) ''

L X (Fbas_cd6=001 and (range(Fbas_st6,1,7) or Fbas_st6=9))

L X (Fbas_cd6=002 and any(Fbas_st6,2,8))

L X (Fbas_cd6=088 and Fbas_st6=8)

Q Fact_cd6 1 424 I3

T Individual Level Forms - IRN #6: Activity Diary

Y 001 Y

Y 002 N

Y 088 N/A

P Fbas_cd6 (F3.0) ''

L X (any(Fbas_cd6,001,002,088) and any(Fact_cd6,001,002,088))

L X (Fbas_cd6=088 and Fact_cd6=088)

Q Fact_st6 1 427 II

T Individual Level Forms - IRN #6: Activity Diary: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fact_cd6 (F3.0) ''

L X (Fact_cd6=001 and (range(Fact_st6,1,7) or Fact_st6=9))

L X (Fact_cd6=002 and any(Fact_st6,2,8))

L X (Fact_cd6=088 and Fact_st6=8)

Q Fllw_cd6 1 428 I3

T Individual Level Forms - IRN #6: Follow Up QX

Y 001 Y

Y 002 N

Y 088 N/A

P Fbas_cd6 (F3.0) ''

L X (any(Fbas_cd6,001,002,088) and any(Fllw_cd6,001,002,088))

L X (Fbas_cd6=088 and Fllw_cd6=088)

Q Fllw_st6 1 431 I1

T Individual Level Forms - IRN #6: Follow Up QX: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fllw_cd6 (F3.0) ''

L X (Fllw_cd6=001 and (range(Fllw_st6,1,7) or Fllw_st6=9))

L X (Fllw_cd6=002 and any(Fllw_st6,2,8))

L X (Fllw_cd6=088 and Fllw_st6=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_cd6 1 432 I3

T Individual Level Forms - IRN #6: Diet Checklist

Y 002 N

Y 088 N/A

P Fbas_cd6 (F3.0) ''

L X (any(Fbas_cd6,001,002,088) and any(Fdck_cd6,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_st6 1 435 I1

T Individual Level Forms - IRN #6: Diet Checklist: Status

Y 8 N/A

P Fdck_cd6 (F3.0) ''

L X (any(Fdck_cd6,002,088) and Fdck_st6=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_cd6 1 436 I3

T Individual Level Forms - IRN #6: Diet Diary

Y 002 N

Y 088 N/A

P Fbas_cd6 (F3.0) ''

L X (any(Fbas_cd6,001,002,088) and any(Fdia_cd6,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_st6 1 439 II

T Individual Level Forms - IRN #6: Diet Diary: Status

Y 8 N/A

P Fdia_cd6 (F3.0) ''

L X (any(Fdia_cd6,002,088) and Fdia_st6=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_cd6 1 440 I3

T Individual Level Forms - IRN #6: Diet Follow Up

Y 002 N

Y 088 N/A

P Fbas_cd6 (F3.0) ''

L X (any(Fbas_cd6,001,002,088) and any(Fdfl_cd6,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_st6 1 443 II

T Individual Level Forms - IRN #6: Diet Follow Up: Status

Y 8 N/A

P Fdfl_cd6 (F3.0) ''

L X (any(Fdfl_cd6,002,088) and Fdfl_st6=8)

Q Ifot_cd6 1 444 I3

T Individual Level Forms - IRN #6: Other Form

Y 001 Y

Y 002 N

Y 088 N/A

P Fbas_cd6 (F3.0) ''

L X (any(Fbas_cd6,001,002,088) and any(Ifot_cd6,001,002,088))

L X (Fbas_cd6=088 and Ifot_cd6=088)

Q Ifot_st6 1 447 II

T Individual Level Forms - IRN #6: Other Form: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Ifot_cd6 (F3.0) ''

L X (Ifot_cd6=001 and (range(Ifot_st6,1,7) or Ifot_st6=9))

L X (Ifot_cd6=002 and any(Ifot_st6,2,8))

L X (Ifot_cd6=088 and Ifot_st6=8)

Q Fcon_cd7 1 448 I3

T Individual Level Forms - IRN #7: Consent

Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and any(Fcon_cd7,001,002,088))

Q Fcon_st7 1 451 I1

T Individual Level Forms - IRN #7: Consent: Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fcon_cd7 (F3.0) ''
L X (Fcon_cd7=001 and (range(Fcon_st7,1,7) or Fcon_st7=9))
L X (Fcon_cd7=002 and any(Fcon_st7,2,5,8))
L X (Fcon_cd7=088 and Fcon_st7=8)

Q Fbas_cd7 1 452 I3

T Individual Level Forms - IRN #7: Baseline QX

Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbas_cd7,001,002,088))
L X (any(Stage,1,4) and Fbas_cd7=088)

Q Fbas_st7 1 455 I1

T Individual Level Forms - IRN #7: Baseline QX: Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbas_cd7 (F3.0) ''
L X (Fbas_cd7=001 and (range(Fbas_st7,1,7) or Fbas_st7=9))
L X (Fbas_cd7=002 and any(Fbas_st7,2,8))
L X (Fbas_cd7=088 and Fbas_st7=8)

Q Fact_cd7 1 456 I3

T Individual Level Forms - IRN #7: Activity Diary

Y 001 Y
Y 002 N
Y 088 N/A

P Fbas_cd7 (F3.0) ''
L X (any(Fbas_cd7,001,002,088) and any(Fact_cd7,001,002,088))
L X (Fbas_cd7=088 and Fact_cd7=088)

Q Fact_st7 1 459 I1

T Individual Level Forms - IRN #7: Activity Diary: Status

- Y 1 Completed
- Y 2 Not Completed
- Y 3 Partially Completed
- Y 4 Re-Collected
- Y 5 Refused
- Y 7 Destroyed
- Y 8 N/A
- Y 9 Missing

P Fact_cd7 (F3.0) ''

L X (Fact_cd7=001 and (range(Fact_st7,1,7) or Fact_st7=9))

L X (Fact_cd7=002 and any(Fact_st7,2,8))

L X (Fact_cd7=088 and Fact_st7=8)

Q Fllw_cd7 1 460 I3

T Individual Level Forms - IRN #7: Follow Up QX

- Y 001 Y
- Y 002 N
- Y 088 N/A

P Fbas_cd7 (F3.0) ''

L X (any(Fbas_cd7,001,002,088) and any(Fllw_cd7,001,002,088))

L X (Fbas_cd7=088 and Fllw_cd7=088)

Q Fllw_st7 1 463 I1

T Individual Level Forms - IRN #7: Follow Up QX: Status

- Y 1 Completed
- Y 2 Not Completed
- Y 3 Partially Completed
- Y 4 Re-Collected
- Y 5 Refused
- Y 7 Destroyed
- Y 8 N/A
- Y 9 Missing

P Fllw_cd7 (F3.0) ''

L X (Fllw_cd7=001 and (range(Fllw_st7,1,7) or Fllw_st7=9))

L X (Fllw_cd7=002 and any(Fllw_st7,2,8))

L X (Fllw_cd7=088 and Fllw_st7=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_cd7 1 464 I3

T Individual Level Forms - IRN #7: Diet Checklist

- Y 002 N
- Y 088 N/A

P Fbas_cd7 (F3.0) ''

L X (any(Fbas_cd7,001,002,088) and any(Fdck_cd7,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_st7 1 467 I1

T Individual Level Forms - IRN #7: Diet Checklist: Status

Y 8 N/A

P Fdck_cd7 (F3.0) ''

L X (any(Fdck_cd7,002,088) and Fdck_st7=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_cd7 1 468 I3

T Individual Level Forms - IRN #7: Diet Diary

Y 002 N

Y 088 N/A

P Fbas_cd7 (F3.0) ''

L X (any(Fbas_cd7,001,002,088) and any(Fdia_cd7,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_st7 1 471 I1

T Individual Level Forms - IRN #7: Diet Diary: Status

Y 8 N/A

P Fdia_cd7 (F3.0) ''

L X (any(Fdia_cd7,002,088) and Fdia_st7=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_cd7 1 472 I3

T Individual Level Forms - IRN #7: Diet Follow Up

Y 002 N

Y 088 N/A

P Fbas_cd7 (F3.0) ''

L X (any(Fbas_cd7,001,002,088) and any(Fdfl_cd7,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_st7 1 475 I1

T Individual Level Forms - IRN #7: Diet follow Up: Status

Y 8 N/A

P Fdfl_cd7 (F3.0) ''

L X (any(Fdfl_cd7,002,088) and Fdfl_st7=8)

Q Ifot_cd7 1 476 I3

T Individual Level Forms - IRN #7: Other Form

Y 001 Y

Y 002 N

Y 088 N/A

P Fbas_cd7 (F3.0) ''

L X (any(Fbas_cd7,001,002,088) and any(Ifot_cd7,001,002,088))

L X (Fbas_cd7=088 and Ifot_cd7=088)

Q Ifot_st7 1 479 I1

T Individual Level Forms - IRN #7: Other Form: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Ifot_cd7 (F3.0) ''
L X (Ifot_cd7=001 and (range(Ifot_st7,1,7) or Ifot_st7=9))
L X (Ifot_cd7=002 and any(Ifot_st7,2,8))
L X (Ifot_cd7=088 and Ifot_st7=8)

Q Fcon_cd8 1 480 I3
T Individual Level Forms - IRN #8: Consent
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,1,2,3,4) and any(Fcon_cd8,001,002,088))

Q Fcon_st8 1 483 II
T Individual Level Forms - IRN #8: Consent: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fcon_cd8 (F3.0) ''
L X (Fcon_cd8=001 and (range(Fcon_st8,1,7) or Fcon_st8=9))
L X (Fcon_cd8=002 and any(Fcon_st8,2,5,8))
L X (Fcon_cd8=088 and Fcon_st8=8)

Q Fbas_cd8 1 484 I3
T Individual Level Forms - IRN #8: Baseline QX
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbas_cd8,001,002,088))
L X (any(Stage,1,4) and Fbas_cd8=088)

Q Fbas_st8 1 487 II
T Individual Level Forms - IRN #8: Baseline QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed

Y 8 N/A
Y 9 Missing
P Fbas_cd8 (F3.0) ''
L X (Fbas_cd8=001 and (range(Fbas_st8,1,7) or Fbas_st8=9))
L X (Fbas_cd8=002 and any(Fbas_st8,2,8))
L X (Fbas_cd8=088 and Fbas_st8=8)

Q Fact_cd8 1 488 I3
T Individual Level Forms - IRN #8: Activity Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd8 (F3.0) ''
L X (any(Fbas_cd8,001,002,088) and any(Fact_cd8,001,002,088))
L X (Fbas_cd8=088 and Fact_cd8=088)

Q Fact_st8 1 491 II
T Individual Level Forms - IRN #8: Activity Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fact_cd8 (F3.0) ''
L X (Fact_cd8=001 and (range(Fact_st8,1,7) or Fact_st8=9))
L X (Fact_cd8=002 and any(Fact_st8,2,8))
L X (Fact_cd8=088 and Fact_st8=8)

Q Fllw_cd8 1 492 I3
T Individual Level Forms - IRN #8: Follow Up QX
Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd8 (F3.0) ''
L X (any(Fbas_cd8,001,002,088) and any(Fllw_cd8,001,002,088))
L X (Fbas_cd8=088 and Fllw_cd8=088)

Q Fllw_st8 1 495 II
T Individual Level Forms - IRN #8: Follow Up QX
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fllw_cd8 (F3.0) ''

L X (Fllw_cd8=001 and (range(Fllw_st8,1,7) or Fllw_st8=9))
L X (Fllw_cd8=002 and any(Fllw_st8,2,8))
L X (Fllw_cd8=088 and Fllw_st8=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_cd8 1 496 I3

T Individual Level Forms - IRN #8: Diet Checklist

Y 002 N

Y 088 N/A

P Fbas_cd8 (F3.0) ''

L X (any(Fbas_cd8,001,002,088) and any(Fdck_cd8,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_st8 1 499 I1

T Individual Level Forms - IRN #8: Diet Checklist: Status

Y 8 N/A

P Fdck_cd8 (F3.0) ''

L X (any(Fdck_cd8,002,088) and Fdck_st8=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_cd8 1 500 I3

T Individual Level Forms - IRN #8: Diet Diary

Y 002 N

Y 088 N/A

P Fbas_cd8 (F3.0) ''

L X (any(Fbas_cd8,001,002,088) and any(Fdia_cd8,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_st8 1 503 I1

T Individual Level Forms - IRN #8: Diet Diary: Status

Y 8 N/A

P Fdia_cd8 (F3.0) ''

L X (any(Fdia_cd8,002,088) and Fdia_st8=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_cd8 1 504 I3

T Individual Level Forms - IRN #8: Diet Follow Up

Y 002 N

Y 088 N/A

P Fbas_cd8 (F3.0) ''

L X (any(Fbas_cd8,001,002,088) and any(Fdfl_cd8,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_st8 1 507 I1

T Individual Level Forms - IRN #8: Diet Follow Up: Status

Y 8 N/A

P Fdfl_cd8 (F3.0) ''

L X (any(Fdfl_cd8,002,088) and Fdfl_st8=8)

Q Ifot_cd8 1 508 I3

T Individual Level Forms - IRN #8: Other Form

Y 001 Y

Y 002 N

Y 088 N/A

P Fbas_cd8 (F3.0) ''

L X (any(Fbas_cd8,001,002,088) and any(Ifot_cd8,001,002,088))

L X (Fbas_cd8=088 and Ifot_cd8=088)

Q Ifot_st8 1 511 I1

T Individual Level Forms - IRN #8: Other Form: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Ifot_cd8 (F3.0) ''

L X (Ifot_cd8=001 and (range(Ifot_st8,1,7) or Ifot_st8=9))

L X (Ifot_cd8=002 and any(Ifot_st8,2,8))

L X (Ifot_cd8=088 and Ifot_st8=8)

Q Fcon_cd9 1 512 I3

T Individual Level Forms - IRN #9: Consent

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (any(Stage,1,2,3,4) and any(Fcon_cd9,001,002,088))

Q Fcon_st9 1 515 I1

T Individual Level Forms - IRN #9: Consent: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fcon_cd9 (F3.0) ''

L X (Fcon_cd9=001 and (range(Fcon_st9,1,7) or Fcon_st9=9))

L X (Fcon_cd9=002 and any(Fcon_st9,2,5,8))

L X (Fcon_cd9=088 and Fcon_st9=8)

Q Fbas_cd9 1 516 I3

T Individual Level Forms - IRN #9: Baseline QX

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (any(Stage,2,3) and any(Fbas_cd9,001,002,088))
L X (any(Stage,1,4) and Fbas_cd9=088)

Q Fbas_st9 1 519 I1
T Individual Level Forms - IRN #9: Baseline QX: Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbas_cd9 (F3.0) ''
L X (Fbas_cd9=001 and (range(Fbas_st9,1,7) or Fbas_st9=9))
L X (Fbas_cd9=002 and any(Fbas_st9,2,8))
L X (Fbas_cd9=088 and Fbas_st9=8)

Q Fact_cd9 1 520 I3
T Individual Level Forms - IRN #9: Activity Diary

Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd9 (F3.0) ''
L X (any(Fbas_cd9,001,002,088) and any(Fact_cd9,001,002,088))
L X (Fbas_cd9=088 and Fact_cd9=088)

Q Fact_st9 1 523 I1
T Individual Level Forms - IRN #9: Activity Diary: Status

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fact_cd9 (F3.0) ''
L X (Fact_cd9=001 and (range(Fact_st9,1,7) or Fact_st9=9))
L X (Fact_cd9=002 and any(Fact_st9,2,8))
L X (Fact_cd9=088 and Fact_st9=8)

Q Fllw_cd9 1 524 I3
T Individual Level Forms - IRN #9: Follow Up QX

Y 001 Y
Y 002 N
Y 088 N/A
P Fbas_cd9 (F3.0) ''
L X (any(Fbas_cd9,001,002,088) and any(Fllw_cd9,001,002,088))
L X (Fbas_cd9=088 and Fllw_cd9=088)

Q Fllw_st9 1 527 I1

T Individual Level Forms - IRN #9: Follow Up QX: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fllw_cd9 (F3.0) ''

L X (Fllw_cd9=001 and (range(Fllw_st9,1,7) or Fllw_st9=9))

L X (Fllw_cd9=002 and any(Fllw_st9,2,8))

L X (Fllw_cd9=088 and Fllw_st9=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_cd9 1 528 I3

T Individual Level Forms - IRN #9: Diet Checklist

Y 002 N

Y 088 N/A

P Fbas_cd9 (F3.0) ''

L X (any(Fbas_cd9,001,002,088) and any(Fdck_cd9,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdck_st9 1 531 I1

T Individual Level Forms - IRN #9: Diet Checklist: Status

Y 8 N/A

P Fdck_cd9 (F3.0) ''

L X (any(Fdck_cd9,002,088) and Fdck_st9=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_cd9 1 532 I3

T Individual Level Forms - IRN #9: Diet Diary

Y 002 N

Y 088 N/A

P Fbas_cd9 (F3.0) ''

L X (any(Fbas_cd9,001,002,088) and any(Fdia_cd9,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdia_st9 1 535 I1

T Individual Level Forms - IRN #9: Diet Diary: Status

Y 8 N/A

P Fdia_cd9 (F3.0) ''

L X (any(Fdia_cd9,002,088) and Fdia_st9=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_cd9 1 536 I3

T Individual Level Forms - IRN #9: Diet Follow Up

Y 002 N

Y 088 N/A

P Fbas_cd9 (F3.0) ''

L X (any(Fbas_cd9,001,002,088) and any(Fdfl_cd9,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdfl_st9 1 539 I1

T Individual Level Forms - IRN #9: Diet Follow Up: Status

Y 8 N/A

P Fdfl_cd9 (F3.0) ''

L X (any(Fdfl_cd9,002,088) and Fdfl_st9=8)

Q Ifot_cd9 1 540 I3

T Individual Level Forms - IRN #9: Other Form

Y 001 Y

Y 002 N

Y 088 N/A

P Fbas_cd9 (F3.0) ''

L X (any(Fbas_cd9,001,002,088) and any(Ifot_cd9,001,002,088))

L X (Fbas_cd9=088 and Ifot_cd9=088)

Q Ifot_st9 1 543 I1

T Individual Level Forms - IRN #9: Other Form: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Ifot_cd9 (F3.0) ''

L X (Ifot_cd9=001 and (range(Ifot_st9,1,7) or Ifot_st9=9))

L X (Ifot_cd9=002 and any(Ifot_st9,2,8))

L X (Ifot_cd9=088 and Ifot_st9=8)

Q Fconcd10 1 544 I3

T Individual Level Forms - IRN #10: Consent

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (any(Stage,1,2,3,4) and any(Fconcd10,001,002,088))

Q Fconst10 1 547 I1

T Individual Level Forms - IRN #10: Consent: Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Fconcd10 (F3.0) ''
L X (Fconcd10=001 and (range(Fconst10,1,7) or Fconst10=9))
L X (Fconcd10=002 and any(Fconst10,2,5,8))
L X (Fconcd10=088 and Fconst10=8)

Q Fbascd10 1 548 I3
T Individual Level Forms - IRN #10: Baseline QX
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (any(Stage,2,3) and any(Fbascd10,001,002,088))
L X (any(Stage,1,4) and Fbascd10=088)

Q Fbasst10 1 551 I1
T Individual Level Forms - IRN #10: Baseline QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fbascd10 (F3.0) ''
L X (Fbascd10=001 and (range(Fbasst10,1,7) or Fbasst10=9))
L X (Fbascd10=002 and any(Fbasst10,2,8))
L X (Fbascd10=088 and Fbasst10=8)

Q Factcd10 1 552 I3
T Individual Level Forms - IRN #10: Activity Diary
Y 001 Y
Y 002 N
Y 088 N/A
P Fbascd10 (F3.0) ''
L X (any(Fbascd10,001,002,088) and any(Factcd10,001,002,088))
L X (Fbascd10=088 and Factcd10=088)

Q Factst10 1 555 I1
T Individual Level Forms - IRN #10: Activity Diary: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Factcd10 (F3.0) ''
L X (Factcd10=001 and (range(Factst10,1,7) or Factst10=9))
L X (Factcd10=002 and any(Factst10,2,8))

L X (Factcd10=088 and Factst10=8)

Q Fllwcd10 1 556 I3
T Individual Level Forms - IRN #10: Follow Up QX
Y 001 Y
Y 002 N
Y 088 N/A
P Fbascd10 (F3.0) ''
L X (any(Fbascd10,001,002,088) and any(Fllwcd10,001,002,088))
L X (Fbascd10=088 and Fllwcd10=088)

Q Fllwst10 1 559 I1
T Individual Level Forms - IRN #10: Follow Up QX: Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Fllwcd10 (F3.0) ''
L X (Fllwcd10=001 and (range(Fllwst10,1,7) or Fllwst10=9))
L X (Fllwcd10=002 and any(Fllwst10,2,8))
L X (Fllwcd10=088 and Fllwst10=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdckcd10 1 560 I3
T Individual Level Forms - IRN #10: Diet Checklist
Y 088 N/A
P Fbascd10 (F3.0) ''
L X (any(Fbascd10,001,002,088) and any(Fdckcd10,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdckst10 1 563 I1
T Individual Level Forms - IRN #10: Diet Checklist: Status
Y 8 N/A
P Fdckcd10 (F3.0) ''
L X (any(Fdckcd10,002,088) and Fdckst10=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdiacd10 1 564 I3
T Individual Level Forms - IRN #10: Diet Diary
Y 002 N
Y 088 N/A
P Fbascd10 (F3.0) ''
L X (any(Fbascd10,001,002,088) and any(Fdiacd10,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdiast10 1 567 I1
T Individual Level Forms - IRN #10: Diet Diary: Status

Y 8 N/A
P Fdiacd10 (F3.0) ''
L X (any(Fdiacd10,002,088) and Fdiast10=8)

* This respondent should not be given this form, so this variable is N/A.

Q Fdflcd10 1 568 I3
T Individual Level Forms - IRN #10: Diet Follow Up

Y 002 N
Y 088 N/A

P Fbascd10 (F3.0) ''
L X (any(Fbascd10,001,002,088) and any(Fdflcd10,002,088))

* This respondent should not be given this form, so this variable is N/A.

Q Fdflst10 1 571 I1
T Individual Level Forms - IRN #10: Diet Follow Up: Status

Y 8 N/A

P Fdflcd10 (F3.0) ''
L X (any(Fdflcd10,002,088) and Fdflst10=8)

Q Ifotcd10 1 572 I3

T Individual Level Forms - IRN #10: Other Form: Status

Y 001 Y
Y 002 N
Y 088 N/A

P Fbascd10 (F3.0) ''
L X (any(Fbascd10,001,002,088) and any(Ifotcd10,001,002,088))
L X (Fbascd10=088 and Ifotcd10=088)

Q Ifotst10 1 575 I1

T Individual Level Forms - IRN #10: Other Form

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Ifotcd10 (F3.0) ''
L X (Ifotcd10=001 and (range(Fdflst10,1,7) or Fdflst10=9))
L X (Ifotcd10=002 and any(Ifotst10,2,8))
L X (Ifotcd10=088 and Ifotst10=8)

Q Sdem_cd 1 576 I3

T Individual Level Samples - Dermal (M): Collected

Y 001 Y
Y 002 N
Y 088 N/A

P Stage (F1.0) ''
L X (Stage=3) and any(Sdem_cd,001,002,088)
L X (any(Stage,1,2,4) and Sdem_cd=088)

Q Sdem_irn 1 579 I1
T Individual Level Samples - Dermal (M): From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Sdem_cd (F3.0) ''
L X (any(Sdem_cd,001,002) and (range(Sdem_irn,1,7) or Sdem_irn=9))
L X (Sdem_cd=088 and Sdem_irn=8)

Q Sdem_sst 1 580 I1
T Individual Level Samples - Dermal (M): Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sdem_cd (F3.0) ''
L X (any(Sdem_cd,001,002) and (range(Sdem_sst,1,7) or Sdem_sst=9))
L X (Sdem_cd=088 and Sdem_sst=8)

Q Sdem_ff 1 581 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Sdem_cd (F3.0) ''
L X (any(Sdem_cd,001,002) and any(Sdem_ff,001,002,088))
L X (Sdem_cd=088 and Sdem_ff=088)

Q Sdem_fst 1 584 I1
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sdem_cd (F3.0) ''
L X (Sdem_ff=001 and (range(Sdem_fst,1,7) or Sdem_fst=9))
L X (Sdem_ff=002 and any(Sdem_fst,2,8))
L X (Sdem_ff=088 and Sdem_fst=8)

Q Sdep_cd 1 585 I3
T Individual Level Samples - Dermal (P): Collected
Y 001 Y
Y 002 N
Y 088 N/A

P Stage (F1.0) ''
L X (Stage=3) and any(Sdep_cd,001,002,088)
L X (any(Stage,1,2,4) and Sdep_cd=088)

Q Sdep_irn 1 588 I1
T Individual Level Samples - Dermal (P): From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Sdep_cd (F3.0) ''
L X (any(Sdep_cd,001,002) and (range(Sdep_irn,1,7) or Sdep_irn=9))
L X (Sdep_cd=088 and Sdep_irn=8)

Q Sdep_sst 1 589 I1
T Individual Level Samples - Dermal (P): Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sdep_cd (F3.0) ''
L X (any(Sdep_cd,001,002) and (range(Sdep_sst,1,7) or Sdep_sst=9))
L X (Sdep_cd=088 and Sdep_sst=8)

Q Sdep_ff 1 590 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Sdep_cd (F3.0) ''
L X (any(Sdep_cd,001,002) and any(Sdep_ff,001,002,088))
L X (Sdep_cd=088 and Sdep_ff=088)

Q Sdep_fst 1 593 I1
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sdep_cd (F3.0) ''
L X (Sdep_ff=001 and (range(Sdep_fst,1,7) or Sdep_fst=9))
L X (Sdep_ff=002 and any(Sdep_fst,2,8))
L X (Sdep_ff=088 and Sdep_fst=8)

Q Sblm_cd 1 594 I3
T Individual Level Samples - Blood (M): Collected

Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (Stage=3) and any(Sblm_cd,001,002,088)
L X (any(Stage,1,2,4) and Sblm_cd=088)

Q Sblm_irn 1 597 I1
T Individual Level Samples - Blood (M): From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Sblm_cd (F3.0) ''
L X (any(Sblm_cd,001,002) and (range(Sblm_irn,1,7) or Sblm_irn=9))
L X (Sblm_cd=088 and Sblm_irn=8)

Q Sblm_sst 1 598 I1
T Individual Level Samples - Blood (M): Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sblm_cd (F3.0) ''
L X (any(Sblm_cd,001,002) and (range(Sblm_sst,1,7) or Sblm_sst=9))
L X (Sblm_cd=088 and Sblm_sst=8)

Q Sblm_ff 1 599 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Sblm_cd (F3.0) ''
L X (any(Sblm_cd,001,002) and any(Sblm_ff,001,002,088))
L X (Sblm_cd=088 and Sblm_ff=088)

Q Sblm_fst 1 602 II
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sblm_cd (F3.0) ''
L X (Sblm_ff=001 and (range(Sblm_fst,1,7) or Sblm_fst=9))
L X (Sblm_ff=002 and any(Sblm_fst,2,8))
L X (Sblm_ff=088 and Sblm_fst=8)

Q Sblv_cd 1 603 I3
T Individual Level Samples - Blood (VOC): Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (Stage=3) and any(Sblv_cd,001,002,088)

L X (any(Stage,1,2,4) and Sblv_cd=088)

Q Sblv_irn 1 606 I1

T Individual Level Samples - Blood (VOC): From IRN#

R (1,7)

Y 8 Default Code

Y 9 Missing Code

P Sblv_cd (F3.0) ''

L X (any(Sblv_cd,001,002) and (range(Sblv_irn,1,7) or Sblv_irn=9))

L X (Sblv_cd=088 and Sblv_irn=8)

Q Sblv_sst 1 607 I1

T Individual Level Samples - Blood (VOC): Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Sblv_cd (F3.0) ''

L X (any(Sblv_cd,001,002) and (range(Sblv_sst,1,7) or Sblv_sst=9))

L X (Sblv_cd=088 and Sblv_sst=8)

Q Sblv_ff 1 608 I3

Y 001 Y

Y 002 N

Y 088 N/A

P Sblv_cd (F3.0) ''

L X (any(Sblv_cd,001,002) and any(Sblv_ff,001,002,088))

L X (Sblv_cd=088 and Sblv_ff=088)

Q Sblv_fst 1 611 I1

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Sblv_cd (F3.0) ''

L X (Sblv_ff=001 and (range(Sblv_fst,1,7) or Sblv_fst=9))
L X (Sblv_ff=002 and any(Sblv_fst,2,8))
L X (Sblv_ff=088 and Sblv_fst=8)

Q Surn_cd 1 612 I3
T Individual Level Samples - Urine Sample: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Surn_cd (F1.0) ''
L X (Stage=3) and any(Surn_cd,001,002,088)
L X (any(Stage,1,2,4) and Surn_cd=088)

Q Surn_irn 1 615 I1
T Individual Level Samples - Urine Sample: From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Surn_cd (F3.0) ''
L X (any(Surn_cd,001,002) and (range(Surn_irn,1,7) or Surn_irn=9))
L X (Surn_cd=088 and Surn_irn=8)

Q Surn_sst 1 616 I1
T Individual Level Samples - Urine Sample: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Surn_cd (F3.0) ''
L X (any(Surn_cd,001,002) and (range(Surn_sst,1,7) or Surn_sst=9))
L X (Surn_cd=088 and Surn_sst=8)

Q Surn_ff 1 617 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Surn_cd (F3.0) ''
L X (any(Surn_cd,001,002) and any(Surn_ff,001,002,088))
L X (Surn_cd=088 and Surn_ff=088)

Q Surn_fst 1 620 I1
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed

Y 8 N/A
Y 9 Missing
P Surn_cd (F3.0) ''
L X (Surn_ff=001 and (range(Surn_fst,1,7) or Surn_fst=9))
L X (Surn_ff=002 and any(Surn_fst,2,8))
L X (Surn_ff=088 and Surn_fst=8)

Q Sfod_cd 1 621 I3
T Individual Level Samples - Food Sample: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (Stage=3) and any(Sfod_cd,001,002,088)
L X (any(Stage,1,2,4) and Sfod_cd=088)

Q Sfod_irn 1 624 I1
T Individual Level Samples - Food Sample: From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Sfod_cd (F3.0) ''
L X (any(Sfod_cd,001,002) and (range(Sfod_irn,1,7) or Sfod_irn=9))
L X (Sfod_cd=088 and Sfod_irn=8)

Q Sfod_sst 1 625 I1
T Individual Level Samples - Food Sample: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sfod_cd (F3.0) ''
L X (any(Sfod_cd,001,002) and (range(Sfod_sst,1,7) or Sfod_sst=9))
L X (Sfod_cd=088 and Sfod_sst=8)

Q Sfod_ff 1 626 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Sfod_cd (F3.0) ''
L X (any(Sfod_cd,001,002) and any(Sfod_ff,001,002,088))
L X (Sfod_cd=088 and Sfod_ff=088)

Q Sfod_fst 1 629 I1
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed

Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sfod_cd (F3.0) ''
L X (Sfod_ff=001 and (range(Sfod_fst,1,7) or Sfod_fst=9))
L X (Sfod_ff=002 and any(Sfod_fst,2,8))
L X (Sfod_ff=088 and Sfod_fst=8)

Q Sbev_cd 1 630 I3
T Individual Level Samples - Bev. Sample: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (Stage=3) and any(Sbev_cd,001,002,088)
L X (any(Stage,1,2,4) and Sbev_cd=088)

Q Sbev_irn 1 633 II
T Individual Level Samples - Bev. Sample: From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Sbev_cd (F3.0) ''
L X (any(Sbev_cd,001,002) and (range(Sbev_irn,1,7) or Sbev_irn=9))
L X (Sbev_cd=088 and Sbev_irn=8)

Q Sbev_sst 1 634 II
T Individual Level Samples - Bev. Sample: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sbev_cd (F3.0) ''
L X (any(Sbev_cd,001,002) and (range(Sbev_sst,1,7) or Sbev_sst=9))
L X (Sbev_cd=088 and Sbev_sst=8)

Q Sbev_ff 1 635 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Sdem_cd (F3.0) ''
L X (any(Sbev_cd,001,002) and any(Sbev_ff,001,002,088))
L X (Sbev_cd=088 and Sbev_ff=088)

Q Sbev_fst 1 638 II

Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Sbev_cd (F3.0) ''
L X (Sbev_ff=001 and (range(Sbev_fst,1,7) or Sbev_fst=9))
L X (Sbev_ff=002 and any(Sbev_fst,2,8))
L X (Sbev_ff=088 and Sbev_fst=8)

Q Spam_cd 1 639 I3
T Individual Level Samples - Personal Air (M): Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Stage (F1.0) ''
L X (Stage=3) and any(Spam_cd,001,002,088)
L X (any(Stage,1,2,4) and Spam_cd=088)

Q Spam_irn 1 642 I1
T Individual Level Samples - Personal Air (M): From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Spam_cd (F3.0) ''
L X (any(Spam_cd,001,002) and (range(Spam_irn,1,7) or Spam_irn=9))
L X (Spam_cd=088 and Spam_irn=8)

Q Spam_sst 1 643 I1
T Individual Level Samples - Personal Air (M): Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Spam_cd (F3.0) ''
L X (any(Spam_cd,001,002) and (range(Spam_sst,1,7) or Spam_sst=9))
L X (Spam_cd=088 and Spam_sst=8)

Q Spam_ff 1 644 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Spam_cd (F3.0) ''
L X (any(Spam_cd,001,002) and any(Spam_ff,001,002,088))

L X (Spam_cd=088 and Spam_ff=088)

Q Spam_fst 1 647 I1

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Spam_cd (F3.0) ''

L X (Spam_ff=001 and (range(Spam_fst,1,7) or Spam_fst=9))

L X (Spam_ff=002 and any(Spam_fst,2,8))

L X (Spam_ff=088 and Spam_fst=8)

Q Spap_cd 1 648 I3

T Individual Level Samples - Personal Air (P): Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Stage (F1.0) ''

L X (Stage=3) and any(Spap_cd,001,002,088)

L X (any(Stage,1,2,4) and Spap_cd=088)

Q Spap_irn 1 651 I1

T Individual Level Samples - Personal Air (P): From IRN#

R (1,7)

Y 8 Default Code

Y 9 Missing Code

P Spap_cd (F3.0) ''

L X (any(Spap_cd,001,002) and (range(Spap_irn,1,7) or Spap_irn=9))

L X (Spap_cd=088 and Spap_irn=8)

Q Spap_sst 1 652 I1

T Individual Level Samples - Personal Air (P): Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Spap_cd (F3.0) ''

L X (any(Spap_cd,001,002) and (range(Spap_sst,1,7) or Spap_sst=9))

L X (Spap_cd=088 and Spap_sst=8)

Q Spap_ff 1 653 I3

Y 001 Y

Y 002 N

Y 088 N/A
P Spap_cd (F3.0) ''
L X (any(Spap_cd,001,002) and any(Spap_ff,001,002,088))
L X (Spap_cd=088 and Spap_ff=088)

Q Spap_fst 1 656 I1
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Spap_cd (F3.0) ''
L X (Spap_ff=001 and (range(Spap_fst,1,7) or Spap_fst=9))
L X (Spap_ff=002 and any(Spap_fst,2,8))
L X (Spap_ff=088 and Spap_fst=8)

Q Isoth1 1 657 I2
T Individual Level Samples - Other 1
Y -5 Refused
Y -8 Not applicable
Y -9 Missing
R (01,20)

Q Iso1_cd 1 659 I3
T Individual Level Samples - Other 1: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Isoth1 (F2.0) ''
L X (range(Isoth1,01,20) and any(Iso1_cd,001,002,088))
L X (Isoth1=-8 and Iso1_cd=088)

Q Iso1_irn 1 662 I1
T Individual Level Samples - Other 1: From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Iso1_cd (F3.0) ''
L X (any(Iso1_cd,001,002) and (range(Iso1_irn,1,7) or Iso1_irn=9))
L X (Iso1_cd=088 and Iso1_irn=8)

Q Iso1_sst 1 663 I1
T Individual Level Samples - Other 1: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Iso1_cd (F3.0) ''

L X (any(Iso1_cd,001,002) and (range(Iso1_sst,1,7) or Iso1_sst=9))

L X (Iso1_cd=088 and Iso1_sst=8)

Q Iso1_ff 1 664 I3

Y 001 Y

Y 002 N

Y 088 N/A

P Iso1_cd (F3.0) ''

L X (any(Iso1_cd,001,002) and any(Iso1_ff,001,002,088))

L X (Iso1_cd=088 and Iso1_ff=088)

Q Iso1_fst 1 667 I1

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Iso1_cd (F3.0) ''

L X (Iso1_ff=001 and (range(Iso1_fst,1,7) or Iso1_fst=9))

L X (Iso1_ff=002 and any(Iso1_fst,2,8))

L X (Iso1_ff=088 and Iso1_fst=8)

Q Isoth2 1 668 I2

T Individual Level Samples - Other 2

Y -5 Refused

Y -8 Not applicable

Y -9 Missing

R (01,20)

Q Iso2_cd 1 670 I3

T Individual Level Samples - Other 2: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Isoth1 (F2.0) ''

L X (range(Isoth2,01,20) and any(Iso2_cd,001,002,088))

L X (Isoth2=-8 and Iso2_cd=088)

Q Iso2_irn 1 673 I1

T Individual Level Samples - Other 2: From IRN#

R (1,7)

Y 8 Default Code

Y 9 Missing Code

P Iso2_cd (F3.0) ''

L X (any(Iso2_cd,001,002) and (range(Iso2_irn,1,7) or Iso2_irn=9))
L X (Iso2_cd=088 and Iso2_irn=8)

Q Iso2_sst 1 674 I1
T Individual Level Samples - Other 2: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Iso2_cd (F3.0) ''
L X (any(Iso2_cd,001,002) and (range(Iso2_sst,1,7) or Iso2_sst=9))
L X (Iso2_cd=088 and Iso2_sst=8)

Q Iso2_ff 1 675 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Iso2_cd (F3.0) ''
L X (any(Iso2_cd,001,002) and any(Iso2_ff,001,002,088))
L X (Iso2_cd=088 and Iso2_ff=088)

Q Iso2_fst 1 678 I1
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Iso2_cd (F3.0) ''
L X (any(Iso2_cd,001,002) and (range(Iso2_fst,1,7) or Iso2_fst=9))
L X (Iso2_cd=088 and Iso2_fst=8)

Q Isoth3 1 679 I2
T Individual Level Samples - Other 3
Y -5 Refused
Y -8 Not applicable
Y -9 Missing
R (01,20)

Q Iso3_cd 1 681 I3
T Individual Level Samples - Other 3: Collected
Y 001 Y
Y 002 N
Y 088 N/A
P Isoth1 (F2.0) ''

L X (range(Isoth3,01,20) and any(Iso3_cd,001,002,088))
L X (Isoth3=-8 and Iso3_cd=088)

Q Iso3_irn 1 684 I1
T Individual Level Samples - Other 3: From IRN#
R (1,7)
Y 8 Default Code
Y 9 Missing Code
P Iso3_cd (F3.0) ''
L X (any(Iso3_cd,001,002) and (range(Iso3_irn,1,7) or Iso3_irn=9))
L X (Iso3_cd=088 and Iso3_irn=8)

Q Iso3_sst 1 685 I1
T Individual Level Samples - Other 3: Sample Status
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Iso3_cd (F3.0) ''
L X (any(Iso3_cd,001,002) and (range(Iso3_sst,1,7) or Iso3_sst=9))
L X (Iso3_cd=088 and Iso3_sst=8)

Q Iso3_ff 1 686 I3
Y 001 Y
Y 002 N
Y 088 N/A
P Iso3_cd (F3.0) ''
L X (any(Iso3_cd,001,002) and any(Iso3_ff,001,002,088))
L X (Iso3_cd=088 and Iso3_ff=088)

Q Iso3_fst 1 689 I1
Y 1 Completed
Y 2 Not Completed
Y 3 Partially Completed
Y 4 Re-Collected
Y 5 Refused
Y 7 Destroyed
Y 8 N/A
Y 9 Missing
P Iso3_cd (F3.0) ''
L X (Iso3_ff=001 and (range(Iso3_fst,1,7) or Iso3_fst=9))
L X (Iso3_ff=002 and any(Iso3_fst,2,8))
L X (Iso3_ff=088 and Iso3_fst=8)

Q Isoth4 1 690 I2
T Individual Level Samples - Other 4
Y -5 Refused

Y -8 Not applicable

Y -9 Missing

R (01,20)

Q Iso4_cd 1 692 I3

T Individual Level Samples - Other 4: Collected

Y 001 Y

Y 002 N

Y 088 N/A

P Isoth4 (F2.0) ''

L X (range(Isoth4,01,20) and any(Iso4_cd,001,002,088))

L X (Isoth4=-8 and Iso4_cd=088)

Q Iso4_irn 1 695 I1

T Individual Level Samples - Other 4: From IRN#

R (1,7)

Y 8 Default Code

Y 9 Missing Code

P Iso4_cd (F3.0) ''

L X (any(Iso4_cd,001,002) and (range(Iso4_irn,1,7) or Iso4_irn=9))

L X (Iso4_cd=088 and Iso4_irn=8)

Q Iso4_sst 1 696 I1

T Individual Level Samples - Other 4: Sample Status

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

Y 8 N/A

Y 9 Missing

P Iso4_cd (F3.0) ''

L X (any(Iso4_cd,001,002) and (range(Iso4_sst,1,7) or Iso4_sst=9))

L X (Iso4_cd=088 and Iso4_sst=8)

Q Iso4_ff 1 697 I3

Y 001 Y

Y 002 N

Y 088 N/A

P Iso4_cd (F3.0) ''

L X (any(Iso4_cd,001,002) and any(Iso4_ff,001,002,088))

L X (Iso4_cd=088 and Iso4_ff=088)

Q Iso4_fst 1 700 I1

Y 1 Completed

Y 2 Not Completed

Y 3 Partially Completed

Y 4 Re-Collected

Y 5 Refused

Y 7 Destroyed

* Q DEDATE 1 725 A8

Q DEDATE_M 1 725 I2
T DE Date: Month
R (01,12)

Q DEDATE_D 1 728 I2
T DE Date: Day
R (01,31)

Q DEDATE_Y 1 731 I2
T DE Date: Year
R (96,99)

Q DPBATCH 1 733 A3
T DP Batch
L X not(any(DPBATCH,"-88","ZZZ"))

Q QXV 1 736 A5
Y FSUM1 Default Value

Appendix E: Personal Air Sampling Data Sheet (Form)

PERSONAL AIR SAMPLING									
Form Type: 108 Item number FORM UA-F-14.0-1.0	Study: <input type="radio"/> 1. NHECAS <input type="radio"/> 2. Border <input type="radio"/> 3. _____ <input type="radio"/> 4. _____ <input type="radio"/> 5. _____ Study	Stage # <input type="checkbox"/> Stage Collapsed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Team Leader: Init. Tech ID <input type="checkbox"/> <input type="checkbox"/>	HHID <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> HHID IRN first name: <input type="checkbox"/> <input type="checkbox"/>	F.S. <input type="checkbox"/> IRN # <input type="checkbox"/> Visit <input type="checkbox"/>				
Set up QC: [] Take down QC: []									
1. Smoking home <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A If Yes, pump period = 360 min. If No, pump period = 480 min. 2. <input type="checkbox"/> Metals or Chlorine <input checked="" type="checkbox"/> Pesticides Samp type									
Item	Start	Stop	Set up QC:	Take down QC:					
Date	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> MO DAY YR	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> MO DAY YR	[]	[]					
Time	<input type="checkbox"/> : <input type="checkbox"/> St-time	<input type="checkbox"/> : <input type="checkbox"/> End-time	[]	[]					
Pump ID#	<input type="checkbox"/> St-pmpid	<input type="checkbox"/> Endpmpid	[]	[]					
Impactor ID#	<input type="checkbox"/> St-imp	<input type="checkbox"/> End-imp	[]	[]					
Filter ID# or Filter/PUF ID#	<input type="checkbox"/> St-Filt	<input type="checkbox"/> End-Filt	[]	[]					
Temperature	<input type="checkbox"/> St-temp <input type="checkbox"/> Endtemp O °F	<input type="checkbox"/> End-temp O °C O °Endtemp	[]	[]					
RH%	<input type="checkbox"/> St-RH % <input type="checkbox"/>	<input type="checkbox"/> End-RH % <input type="checkbox"/>	[]	[]					
Flowmeter ID #	<input type="checkbox"/> St-FlwID	<input type="checkbox"/> EndFlwID	[]	[]					
Flowmeter Cal. Date	<input type="checkbox"/> St-cals MO DAY YR	<input type="checkbox"/> Endcals MO DAY YR	[]	[]					
Flowmeter Accuracy	<input type="checkbox"/> . <input type="checkbox"/> St-acc %	<input type="checkbox"/> . <input type="checkbox"/> End-acc %	[]	[]					
Comments: <hr/> <hr/>									
					Real Samp. <input type="checkbox"/> Rep. Samp. <input type="checkbox"/> Blank Samp. <input type="checkbox"/> Spike Samp. <input type="checkbox"/>				
					<input type="checkbox"/> Blk.com Real.com Rep.com	<input type="checkbox"/> Spik.com			
Data Use Only: 0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J <input type="checkbox"/> <input type="checkbox"/>									
39409									

PAGE 2
Personal Air Sampling

ITEM	Start	Stop	Set up QC:	Take down QC:
Flow	<input type="text"/> . <input type="text"/> St. Flow Lpm	<input type="text"/> . <input type="text"/> End flow Lpm	[]	[]
Cal. Time	<input type="text"/> <input type="text"/> St. ctime mins	<input type="text"/> <input type="text"/> End ctime mins	[]	[]
Delayed Start	<input type="text"/> <input type="text"/> <input type="text"/> St. delay mins		[]	[]
Sample Period	<input type="text"/> <input type="text"/> <input type="text"/> St. samp mins	<input type="text"/> <input type="text"/> <input type="text"/> End samp mins	[]	[]
Pump Period	<input type="text"/> <input type="text"/> <input type="text"/> St. pump mins	<input type="text"/> <input type="text"/> <input type="text"/> End pump mins	[]	[]
Total Sample Time		<input type="text"/> <input type="text"/> <input type="text"/> Samp time mins		[]
Tech. ID	Tech ID <u>St-tec1</u> <input type="text"/>	Tech ID <u>St-tec2</u> <input type="text"/>	Tech ID <u>End-tec1</u> <input type="text"/>	Tech ID <u>End-tec2</u> <input type="text"/>
Replicate or N/A []				
Sample ID#	<input type="text"/> Rst-samp		<input type="text"/> Rend samp	[] []
Impactor ID#	<input type="text"/> Rst-imp		<input type="text"/> Rend-imp	[] []
Flow	<input type="text"/> . <input type="text"/> Rst-Flow Lpm		<input type="text"/> . <input type="text"/> Rend Flow Lpm	[] []
3. Blank Assigned?	<input type="radio"/> Yes.... Continue <input type="radio"/> No..... Goto #4 <u>Blank</u>		4. Spike Assigned?	<input type="radio"/> Yes..... Continue <input type="radio"/> No Stop <u>SPIKE</u>
Sample ID#	<input type="text"/> or N/A []		Sample ID#	<input type="text"/> or N/A []
Impactor ID#	<input type="text"/> or N/A [] <u>Blink-imp</u>		Impactor ID#	<input type="text"/> or N/A [] <u>SPIKE-1D</u>
25 microliter Volume []				

Formstat

Office Use Only

Form Status:	<input type="radio"/> 1.Cmp <input type="radio"/> 2.N Cmp <input type="radio"/> 3.P Cmp <input type="radio"/> 4.Re-col <input type="radio"/> 5.Ref <input type="radio"/> 7.Dest <input type="radio"/> 8.N/A <input type="radio"/> 9.Miss	Tech. ID MO DAY YR QC: <u>QCBY</u> <input type="text"/> <u>QADATE</u> <input type="text"/> / <input type="text"/> <small>Init.</small>	Tech. ID MO DAY YR DE: <u>DEBY</u> <input type="text"/> <u>DEDATE</u> <input type="text"/> / <input type="text"/> <small>Init.</small>
		QA: <u>QABY</u> <input type="text"/> <u>QADATE</u> <input type="text"/> / <input type="text"/> <small>Init.</small>	DP Batch: <input type="text"/> <input type="text"/> <input type="text"/> <u>DPBATCH</u> QXV: <u>FPER1</u>

Chain of custody initiated (sig.): _____

Consigned to packet on []: _____ / _____

Box UA G4-2.0

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

39409

SOP# UA-D-38.0
Revision #0
June 1997
Page 1

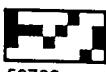
Appendix F: Personal Air Sampling Data Sheet (Dictionary)

Appendix G: PID Sampling Sheet (Form)

Hennum Study Stage		P.I.D. SAMPLING																																									
Form Type: 1 0 3	Study: ○ 1. NHEXAS ○ 2. Border ○ 3. _____ ○ 4. _____ ○ 5. _____	Stage # <input type="text"/>	Team Leader: <input type="text"/> Tech ID: <input type="text"/> HHDID: <input type="text"/> Int. Tech ID: <input type="text"/> HHID: <input type="text"/> HHIDFS: <input type="text"/> MO DAY: <input type="text"/> Visit: <input type="text"/>																																								
FORM UA-F4.0-1.0	Collapse? <input checked="" type="checkbox"/> COLLAPSE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	PID #: 1 <input type="text"/> 2 <input type="text"/> 3 <input type="text"/> N/A (def.) <input type="text"/> <input type="text"/> <input type="text"/> C C C C PID ID: <input type="text"/>	Comments: <input type="text"/>																																								
<p>1. Unit clock displays the correct hour: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>2. Unit clock displays the correct minute: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>3. Unit clock displays the correct month: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>4. Unit clock displays the correct day: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>5. Date of last calibration from calibration label: ____ / ____ by ____ QC <input type="checkbox"/></p> <p>6. Last Set Code in PID Memory: <input type="text"/> Lost Set: <input type="checkbox"/> <input type="checkbox"/> Comments: <input type="text"/></p> <p>7. New Set Code changed to: <input type="text"/> New Set: <input type="checkbox"/> <input type="checkbox"/></p> <p>8. Current Full scale calibration: <input type="text"/> Full Scale: <input type="checkbox"/> <input type="checkbox"/></p> <p>9. Current null reading: <input type="text"/> Null Cal: <input type="checkbox"/> <input type="checkbox"/></p>																																											
<p>10. After Sampling: Number of P.I.D. readings taken at household: <input type="text"/> Num Read: <input type="text"/> Tech ID: <input type="text"/> Int. <input type="text"/> Link ID: <input type="text"/> Tech ID: <input type="text"/> Int. <input type="text"/> Non Link ID: <input type="text"/></p> <p>Form Status: ○ 1.Cmp ○ 2.N Cmp ○ 3.P Cmp ○ 4.Re-Cmp ○ 5.Ref ○ 6.Del ○ 7.Del ○ 8.N/A ○ 9.Miss</p> <p>QC: <input type="text"/> QC BY: <input type="text"/> / <input type="text"/> / <input type="text"/> Tech ID: <input type="text"/> MO DATE: <input type="text"/> DAY: <input type="text"/> Int. <input type="text"/> QA: <input type="text"/> QA BY: <input type="text"/> / <input type="text"/> / <input type="text"/> DE: <input type="text"/> DE BY: <input type="text"/> / <input type="text"/> DAY: <input type="text"/> Int. <input type="text"/> Int. <input type="text"/> DP Batch: <input type="text"/> QXV: <input type="text"/> F P I D 1 DP BATCH: <input type="text"/></p> <p>Chain of custody initiated (sig.): <input type="text"/> Consigned to packet on: <input type="checkbox"/> <input type="text"/> Box UA G4-2.0</p>																																											
<p>Data Use Only:</p> <table border="1"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td> </tr> <tr> <td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td> </tr> </table>				0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J																								
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○																								



59793



59793

.OC.	Sampling Sequence	ppm @ 1 foot	ppm 4-6	ppm @ >8 feet	In Field	Comments	Post Field
Main		Main ppm +	Main ppm 4	Main ppm 8	[]	Main comment	[]
Kitchen		Kit-ppm! []	Kit-ppm 4	Kit-ppm 8	[]	Kit-comment	[]
Master Bedroom		Mbedpm! []	Mbedpm 4	Mbedpm 8	[]	Mbedcomment	[]
Garage		Gar-ppm! []	Gar-ppm 4	Gar-ppm 8	[]	Gar-comment	[]
Other Location Codes		3ppm! []	3ppm 4	3ppm 8	[]	3comment	[]
Dh1-loc	Ch1ppm	Dh1ppm4	Dh1ppm4	Dh1ppm8	[]	Dh1 comment	[]
Dh2-loc	Ch2ppm	Dh2ppm4	Dh2ppm8	[]	Dh2 comment	[]	
Dh3-loc	Ch3ppm	Dh3ppm4	Dh3ppm8	[]	Dh3 comment	[]	
Dh4-loc	Ch4ppm!	Dh4ppm4	Dh4ppm8	[]	Dh4 comment	[]	
Fireplace	Firepoint	- []	NA	NA	[]	Firepoint	[]
N	N-ppm! []	N-ppm4	N-ppm8	[]	N-comment	[]	
S	S-ppm! []	S-ppm4	S-ppm8	[]	S-comment	[]	
E	E-ppm! []	E-ppm4	E-ppm8	[]	E-comment	[]	
W	W-ppm! []	W-ppm4	W-ppm8	[]	W-comment	[]	

Page 2 of
 Data Use
 only:

1 2 3 4 5 6 7 8 9 A B C D E F G H I J
 1 2 3 4 5 6 7 8 9 A B C D E F G H I J
 1 2 3 4 5 6 7 8 9 A B C D E F G H I J
 1 2 3 4 5 6 7 8 9 A B C D E F G H I J

Appendix H: PID Sampling Sheet (Dictionary)

K HHID (F6.0) '', HHIDFS (A1) '', Evndt_m (F2.0) '', Evndt_d (F2.0) '', Evndt_y (F2.0) ''

Q HHID 1 1 I6
T Household Identification

Q HHIDFS 1 7 A1
T Household Family Schism
Y 'A' First Schism - default value

* The following date has been broken up into month, day and year
*Q Evntdate 1 8 A8

Q Evndt_m 1 8 I2
T Date of completion month:
R (01,12)

Q Evndt_d 1 11 I2
T Date of completion day:
R (01,31)

Q Evndt_y 1 14 I2
T Date of completion year:
R (95,99)

Q Visit 1 16 I1
T Visit
R (1,4)

Q Itemnum 1 17 A3
T Form type
Y '103' Prefill value

Q Study 1 20 I2
Y 01 NHEXAS
Y 02 Border
Y 03 _____
Y 04 _____
Y 05 _____

Q Stage 1 22 I1
T Stage #
R (1,4)

Q Collapse 1 23 I2
Y 01 Y
Y 02 N
Y 88 N/A

Q Newset 1 34 I4
T New Set Code changed to:
Y -555 Refused
Y -888 Not Applicable
Y -999 Missing
R (0001,0300)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Newset,0001,0300) or any(Newset,-555,-999)))
L X (Formstat=03 and (range(Newset,0001,0300) or any(Newset,-555,-888,-999)))
L X (any(Formstat,02,05,09) and Newset=-999)

Q Fullcal 1 38 I4
T Current Full scale calibration:
Y 0010 Should almost always get this
Y -555 Refused
Y -888 Not Applicable
Y -999 Missing
R (0010,0050)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Fullcal,0010,0050) or any(Fullcal,-555,-999)))
L X (Formstat=03 and (range(Fullcal,0010,0050) or any(Fullcal,-555,-888,-999)))
L X (any(Formstat,02,05,09) and Fullcal=-999)

Q Nullcal 1 42 I4
T Current null reading:
Y -555 Refused
Y -888 Not Applicable
Y -999 Missing
R (0040,0300)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Nullcal,0040,0300) or any(Nullcal,-555,-999)))
L X (Formstat=03 and (range(Nullcal,0040,0300) or any(Nullcal,-555,-888,-999)))
L X (any(Formstat,02,05,09) and Nullcal=-999)

Q Numread 1 46 I2
T After Sampling: Number of PID readings taken at household:
R (10,40)
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Numread,01,40) or any(Numread,-5,-9)))
L X (Formstat=03 and (range(Numread,01,40) or any(Numread,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Numread=-9)

Q Chk_id 1 48 I2
T Tech Id (check)
T Team Leader: Tech ID
Y -9 TechID not known
Y -8 Default (Not Applicable)
Y 11 Ruben Dorame

R (01,12)

Q DEDATE_D 1 79 I2

T DE Date: Day

R (01,31)

Q DEDATE_Y 1 82 I2

T DE Date: Year

R (96,99)

Q DPBATCH 1 84 A3

T DP Batch

L X not(DPBATCH='000')

Q QXV 1 87 A5

T QXV

Q Mainppm1 1 92 F6.1

T Main : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Mainppm1,0000.0,0020.0) or

+ F any(Mainppm1,-555.5,-999.9)))

L X (Formstat=03 and (range(Mainppm1,0000.0,0020.0) or

+ F any(Mainppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and Mainppm1=-888.8)

Q Mainppm4 1 98 F6.1

T Main : ppm @ 4-6

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Mainppm1 (F6.1) ''

L X (range(Mainppm1,0000.0,0020.0) or Mainppm1=-999.9) and

+ F (range(Mainppm4,0000.0,0020.0) or any(Mainppm4,-555.5,-999.9))

L X (Mainppm1=-555.5 and Mainppm4=-555.5)

L X (Mainppm1=-888.8 and Mainppm4=-888.8)

Q Mainppm8 1 104 F6.1

T Main : ppm @ >8 feet

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Mainppm1 (F6.1) ''

L X (range(Mainppm1,0000.0,0020.0) or Mainppm1=-999.9) and

+ F (range(Mainppm8,0000.0,0020.0) or any(Mainppm8,-555.5,-999.9))

L X (Mainppm1=-555.5 and Mainppm8=-555.5)
L X (Mainppm1=-888.8 and Mainppm8=-888.8)

Q Maincmnt 1 110 I2
T Mail : Comments
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X any(Formstat,01,03) and (range(Maincmnt,01,50) or any(Maincmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and Maincmnt=-8)

Q Kit_ppm1 1 112 F6.1
T Kitchen : ppm @ 1 foot
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Kit_ppm1,0000.0,0020.0) or
+ F any(Kit_ppm1,-555.5,-999.9)))
L X (Formstat=03 and (range(Kit_ppm1,0000.0,0020.0) or
+ F any(Kit_ppm1,-555.5,-888.8,-999.9)))
L X (any(Formstat,02,05,09) and Kit_ppm1=-888.8)

Q Kit_ppm4 1 118 F6.1
T Kithchen : ppm @ 4-6
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Kit_ppm1 (F6.1) ''
L X (range(Kit_ppm1,0000.0,0020.0) or Kit_ppm1=-999.9) and
+ F (range(Kit_ppm4,0000.0,0020.0) or any(Kit_ppm4,-555.5,-999.9))
L X (Kit_ppm1=-555.5 and Kit_ppm4=-555.5)
L X (Kit_ppm1=-888.8 and Kit_ppm4=-888.8)

Q Kit_ppm8 1 124 F6.1
T Kitchen : ppm @ >8 feet
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Kit_ppm1 (F6.1) ''
L X (range(Kit_ppm1,0000.0,0020.0) or Kit_ppm1=-999.9) and
+ F (range(Kit_ppm8,0000.0,0020.0) or any(Kit_ppm8,-555.5,-999.9))
L X (Kit_ppm1=-555.5 and Kit_ppm8=-555.5)
L X (Kit_ppm1=-888.8 and Kit_ppm8=-888.8)

Q Kit_cmnt 1 130 I2

T Kithchen : Comments

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,50)

P Formstat (F3.0) ''

L X any(Formstat,01,03) and (range(Kit_cmnt,01,50) or any(Kit_cmnt,-5,-8,-9))

L X (any(Formstat,02,05,09) and Kit_cmnt=-8)

Q Mbedppm1 1 132 F6.1

T Master Bedroom : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Mbedppm1,0000.0,0020.0) or

+ F any(Mbedppm1,-555.5,-999.9)))

L X (Formstat=03 and (range(Mbedppm1,0000.0,0020.0) or

+ F any(Mbedppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and Mbedppm1=-888.8)

Q Mbedppm4 1 138 F6.1

T Master Bedroom : ppm @ 4-6

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Mbedppm1 (F6.1) ''

L X (range(Mbedppm1,0000.0,0020.0) or Mbedppm1=-999.9) and

+ F (range(Mbedppm4,0000.0,0020.0) or any(Mbedppm4,-555.5,-999.9))

L X (Mbedppm1=-555.5 and Mbedppm4=-555.5)

L X (Mbedppm1=-888.8 and Mbedppm4=-888.8)

Q Mbedppm8 1 144 F6.1

T Master Bedroom : ppm @ >8 feet

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Mbedppm1 (F6.1) ''

L X (range(Mbedppm1,0000.0,0020.0) or Mbedppm1=-999.9) and

+ F (range(Mbedppm8,0000.0,0020.0) or any(Mbedppm8,-555.5,-999.9))

L X (Mbedppm1=-555.5 and Mbedppm8=-555.5)

L X (Mbedppm1=-888.8 and Mbedppm8=-888.8)

Q Mbedcmnt 1 150 I2

T Master Bedroom : Comments

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,50)

P Formstat (F3.0) ''

L X any(Formstat,01,03) and (range(Mbedcmnt,01,50) or any(Mbedcmnt,-5,-8,-9))

L X (any(Formstat,02,05,09) and Mbedcmnt=-8)

Q Gar_ppm1 1 152 F6.1

T Garage : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Gar_ppm1,0000.0,0020.0) or

+ F any(Gar_ppm1,-555.5,-888.8,-999.9)))

L X (Formstat=03 and (range(Gar_ppm1,0000.0,0020.0) or

+ F any(Gar_ppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and Gar_ppm1=-888.8)

Q Gar_ppm4 1 158 F6.1

T Garage : ppm @ 4-6

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Gar_ppm1 (F6.1) ''

L X (range(Gar_ppm1,0000.0,0020.0) or Gar_ppm1=-999.9) and

+ F (range(Gar_ppm4,0000.0,0020.0) or any(Gar_ppm4,-555.5,-999.9))

L X (Gar_ppm1=-555.5 and Gar_ppm4=-555.5)

L X (Gar_ppm1=-888.8 and Gar_ppm4=-888.8)

Q Gar_ppm8 1 164 F6.1

T Garage : ppm @ >8 feet

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Gar_ppm1 (F6.1) ''

L X (range(Gar_ppm1,0000.0,0020.0) or Gar_ppm1=-999.9) and

+ F (range(Gar_ppm8,0000.0,0020.0) or any(Gar_ppm8,-555.5,-999.9))

L X (Gar_ppm1=-555.5 and Gar_ppm8=-555.5)

L X (Gar_ppm1=-888.8 and Gar_ppm8=-888.8)

Q Gar_cmnt 1 170 I2

T Garage : Comments

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,50)

P Formstat (F3.0) ''

L X any(Formstat,01,03) and (range(Gar_cmnt,01,50) or any(Gar_cmnt,-5,-8,-9))

L X (any(Formstat,02,05,09) and Gar_cmnt=-8)

Q Shedppm1 1 172 F6.1
T Storage Shed : ppm @ 1 foot
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Shedppm1,0000.0,0020.0) or
+ F any(Shedppm1,-555.5,-888.8,-999.9)))
L X (Formstat=03 and (range(Shedppm1,0000.0,0020.0) or
+ F any(Shedppm1,-555.5,-888.8,-999.9)))
L X (any(Formstat,02,05,09) and Shedppm1=-888.8)

Q Shedppm4 1 178 F6.1
T Storage Shed : ppm @ 4-6
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Shedppm1 (F6.1) ''
L X (range(Shedppm1,0000.0,0020.0) or Shedppm1=-999.9) and
+ F (range(Shedppm4,0000.0,0020.0) or any(Shedppm4,-555.5,-999.9))
L X (Shedppm1=-555.5 and Shedppm4=-555.5)
L X (Shedppm1=-888.8 and Shedppm4=-888.8)

Q Shedppm8 1 184 F6.1
T Storage Shed : ppm @ >8 feet
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Shedppm1 (F6.1) ''
L X (range(Shedppm1,0000.0,0020.0) or Shedppm1=-999.9) and
+ F (range(Shedppm8,0000.0,0020.0) or any(Shedppm8,-555.5,-999.9))
L X (Shedppm1=-555.5 and Shedppm8=-555.5)
L X (Shedppm1=-888.8 and Shedppm8=-888.8)

Q Shedcmnt 1 190 I2
T Storage Shed : Comments
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X any(Formstat,01,03) and (range(Shedcmnt,01,50) or any(Shedcmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and Shedcmnt=-8)

Q Oth1_loc 1 192 I2
T Loc. Other 1
Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,40)

P Formstat (F3.0) ''

L X (any(Formstat,01,03) and (range(Oth1_loc,01,40) or any(Oth1_loc,-5,-8,-9)))

L X (any(Formstat,02,05,09) and Oth1_loc=-8)

Q Oth1ppm1 1 194 F6.1

T Other 1 : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Oth1ppm1,0000.0,0020.0) or

+ F any(Oth1ppm1,-555.5,-888.8,-999.9)))

L X (Formstat=03 and (range(Oth1ppm1,0000.0,0020.0) or

+ F any(Oth1ppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and Oth1ppm1=-888.8)

Q Oth1ppm4 1 200 F6.1

T Other 1 : ppm @ 4-6

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Oth1ppm1 (F6.1) ''

L X (range(Oth1ppm1,0000.0,0020.0) or Oth1ppm1=-999.9) and

+ F (range(Oth1ppm4,0000.0,0020.0) or any(Oth1ppm4,-555.5,-999.9))

L X (Oth1ppm1=-555.5 and Oth1ppm4=-555.5)

L X (Oth1ppm1=-888.8 and Oth1ppm4=-888.8)

Q Oth1ppm8 1 206 F6.1

T Other 1 : ppm @ >8 feet

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Oth1ppm1 (F6.1) ''

L X (range(Oth1ppm1,0000.0,0020.0) or Oth1ppm1=-999.9) and

+ F (range(Oth1ppm8,0000.0,0020.0) or any(Oth1ppm8,-555.5,-999.9))

L X (Oth1ppm1=-555.5 and Oth1ppm8=-555.5)

L X (Oth1ppm1=-888.8 and Oth1ppm8=-888.8)

Q Oth1cmnt 1 212 I2

T Other 1 : Comments

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,50)

P Formstat (F3.0) ''

L X any(Formstat,01,03) and (range(Oth1cmnt,01,50) or any(Oth1cmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and Oth1cmnt=-8)

Q Oth2_loc 1 214 I2

T Loc. Other 2

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,40)

P Formstat (F3.0) ''

L X (any(Formstat,01,03) and (range(Oth2_loc,01,40) or any(Oth2_loc,-5,-8,-9)))

L X (any(Formstat,02,05,09) and Oth2_loc=-8)

Q Oth2ppm1 1 216 F6.1

T Other 2 : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Oth2ppm1,0000.0,0020.0) or
+ F any(Oth2ppm1,-555.5,-888.8,-999.9)))

L X (Formstat=03 and (range(Oth2ppm1,0000.0,0020.0) or
+ F any(Oth2ppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and Oth2ppm1=-888.8)

Q Oth2ppm4 1 222 F6.1

T Other 2 : ppm @ 4-6

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Oth2ppm1 (F6.1) ''

L X (range(Oth2ppm1,0000.0,0020.0) or Oth2ppm1=-999.9) and
+ F (range(Oth2ppm4,0000.0,0020.0) or any(Oth2ppm4,-555.5,-999.9))

L X (Oth2ppm1=-555.5 and Oth2ppm4=-555.5)

L X (Oth2ppm1=-888.8 and Oth2ppm4=-888.8)

Q Oth2ppm8 1 228 F6.1

T Other 2 : ppm @ >8 feet

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Oth2ppm1 (F6.1) ''

L X (range(Oth2ppm1,0000.0,0020.0) or Oth2ppm1=-999.9) and
+ F (range(Oth2ppm8,0000.0,0020.0) or any(Oth2ppm8,-555.5,-999.9))

L X (Oth2ppm1=-555.5 and Oth2ppm8=-555.5)

L X (Oth2ppm1=-888.8 and Oth2ppm8=-888.8)

Q Oth2cmnt 1 234 I2

T Other 2 : Comments

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,50)

P Formstat (F3.0) ''

L X any(Formstat,01,03) and (range(Oth2cmnt,01,50) or any(Oth2cmnt,-5,-8,-9))

L X (any(Formstat,02,05,09) and Oth2cmnt=-8)

Q Oth3_loc 1 236 I2

T Loc. Other 3

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,40)

P Formstat (F3.0) ''

L X (any(Formstat,01,03) and (range(Oth3_loc,01,40) or any(Oth3_loc,-5,-8,-9)))

L X (any(Formstat,02,05,09) and Oth3_loc=-8)

Q Oth3ppm1 1 238 F6.1

T Other 3 : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Oth3ppm1,0000.0,0020.0) or + F any(Oth3ppm1,-555.5,-888.8,-999.9)))

L X (Formstat=03 and (range(Oth3ppm1,0000.0,0020.0) or + F any(Oth3ppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and Oth3ppm1=-888.8)

Q Oth3ppm4 1 244 F6.1

T Other 3 : ppm @ 4-6

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Oth3ppm1 (F6.1) ''

L X (range(Oth3ppm1,0000.0,0020.0) or Oth3ppm1=-999.9) and

+ F (range(Oth3ppm4,0000.0,0020.0) or any(Oth3ppm4,-555.5,-999.9))

L X (Oth3ppm1=-555.5 and Oth3ppm4=-555.5)

L X (Oth3ppm1=-888.8 and Oth3ppm4=-888.8)

Q Oth3ppm8 1 250 F6.1

T Other 3 : ppm @ >8 feet

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Oth3ppm1 (F6.1) ''

L X (range(Oth3ppm1,0000.0,0020.0) or Oth3ppm1=-999.9) and
+ F (range(Oth3ppm8,0000.0,0020.0) or any(Oth3ppm8,-555.5,-999.9))
L X (Oth3ppm1=-555.5 and Oth3ppm8=-555.5)
L X (Oth3ppm1=-888.8 and Oth3ppm8=-888.8)

Q Oth3cmnt 1 256 I2
T Other 3 : Comments
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X any(Formstat,01,03) and (range(Oth3cmnt,01,50) or any(Oth3cmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and Oth3cmnt=-8)

Q Oth4_loc 1 258 I2
T Loc. Other 4
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,40)
P Formstat (F3.0) ''
L X (any(Formstat,01,03) and (range(Oth4_loc,01,40) or any(Oth4_loc,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Oth4_loc=-8)

Q Oth4ppm1 1 260 F6.1
T Other 4 : ppm @ 1 foot
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Oth4ppm1,0000.0,0020.0) or
+ F any(Oth4ppm1,-555.5,-888.8,-999.9)))
L X (Formstat=03 and (range(Oth4ppm1,0000.0,0020.0) or
+ F any(Oth4ppm1,-555.5,-888.8,-999.9)))
L X (any(Formstat,02,05,09) and Oth4ppm1=-888.8)

Q Oth4ppm4 1 266 F6.1
T Other 4 : ppm @ 4-6
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Oth4ppm1 (F6.1) ''
L X (range(Oth4ppm1,0000.0,0020.0) or Oth4ppm1=-999.9) and
+ F (range(Oth4ppm4,0000.0,0020.0) or any(Oth4ppm4,-555.5,-999.9))
L X (Oth4ppm1=-555.5 and Oth4ppm4=-555.5)
L X (Oth4ppm1=-888.8 and Oth4ppm4=-888.8)

Q Oth4ppm8 1 272 F6.1

T Other 4 : ppm @ >8 feet

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Oth4ppm1 (F6.1) ''

L X (range(Oth4ppm1,0000.0,0020.0) or Oth4ppm1=-999.9) and

+ F (range(Oth4ppm8,0000.0,0020.0) or any(Oth4ppm8,-555.5,-999.9))

L X (Oth4ppm1=-555.5 and Oth4ppm8=-555.5)

L X (Oth4ppm1=-888.8 and Oth4ppm8=-888.8)

Q Oth4cmnt 1 278 I2

T Other 4 : Comments

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,50)

P Formstat (F3.0) ''

L X any(Formstat,01,03) and (range(Oth4cmnt,01,50) or any(Oth4cmnt,-5,-8,-9))

L X (any(Formstat,02,05,09) and Oth4cmnt=-8)

Q Fireppm1 1 280 F6.1

T Fireplace : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Fireppm1,0000.0,0020.0) or

+ F any(Fireppm1,-555.5,-888.8,-999.9)))

L X (Formstat=03 and (range(Fireppm1,0000.0,0020.0) or

+ F any(Fireppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and Fireppm1=-888.8)

Q Firecmnt 1 286 I2

T Fireplace : Comments

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,50)

P Formstat (F3.0) ''

L X any(Formstat,01,03) and (range(Firecmnt,01,50) or any(Firecmnt,-5,-8,-9))

L X (any(Formstat,02,05,09) and Firecmnt=-8)

Q N_ppm1 1 288 F6.1

T N : ppm @ 1 foot

R (0000.0,0020.0)

Y -555.5 Refused

Y -888.8 Not Applicable

Y -999.9 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(N_ppm1,0000.0,0020.0) or
+ F any(N_ppm1,-555.5,-888.8,-999.9)))
L X (Formstat=03 and (range(N_ppm1,0000.0,0020.0) or
+ F any(N_ppm1,-555.5,-888.8,-999.9)))
L X (any(Formstat,02,05,09) and N_ppm1=-888.8)

Q N_ppm4 1 294 F6.1
T N : ppm @ 4-6
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P N_ppm1 (F6.1) ''
L X (range(N_ppm1,0000.0,0020.0) or N_ppm1=-999.9) and
+ F (range(N_ppm4,0000.0,0020.0) or any(N_ppm4,-555.5,-999.9))
L X (N_ppm1=-555.5 and N_ppm4=-555.5)
L X (N_ppm1=-888.8 and N_ppm4=-888.8)

Q N_ppm8 1 300 F6.1
T N : ppm @ >8 feet
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P N_ppm1 (F6.1) ''
L X (range(N_ppm1,0000.0,0020.0) or N_ppm1=-999.9) and
+ F (range(N_ppm8,0000.0,0020.0) or any(N_ppm8,-555.5,-999.9))
L X (N_ppm1=-555.5 and N_ppm8=-555.5)
L X (N_ppm1=-888.8 and N_ppm8=-888.8)

Q N_cmnt 1 306 I2
T N : Comments
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X any(Formstat,01,03) and (range(N_cmnt,01,50) or any(N_cmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and N_cmnt=-8)

Q S_ppm1 1 308 F6.1
T S : ppm @ 1 foot
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Formstat (F3.0) ''
L X (Formstat=01 and (range(S_ppm1,0000.0,0020.0) or
+ F any(S_ppm1,-555.5,-888.8,-999.9)))
L X (Formstat=03 and (range(S_ppm1,0000.0,0020.0) or
+ F any(S_ppm1,-555.5,-888.8,-999.9)))

L X (any(Formstat,02,05,09) and S_ppm1=-888.8)

Q S_ppm4 1 314 F6.1
T S : ppm @ 4-6
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P S_ppm1 (F6.1) ''
L X (range(S_ppm1,0000.0,0020.0) or S_ppm1=-999.9) and
+ F (range(S_ppm4,0000.0,0020.0) or any(S_ppm4,-555.5,-999.9))
L X (S_ppm1=-555.5 and S_ppm4=-555.5)
L X (S_ppm1=-888.8 and S_ppm4=-888.8)

Q S_ppm8 1 320 F6.1
T S : ppm @ >8 feet
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P S_ppm1 (F6.1) ''
L X (range(S_ppm1,0000.0,0020.0) or S_ppm1=-999.9) and
+ F (range(S_ppm8,0000.0,0020.0) or any(S_ppm8,-555.5,-999.9))
L X (S_ppm1=-555.5 and S_ppm8=-555.5)
L X (S_ppm1=-888.8 and S_ppm8=-888.8)

Q S_cmnt 1 326 I2
T S : Comments
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X any(Formstat,01,03) and (range(S_cmnt,01,50) or any(S_cmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and S_cmnt=-8)

Q E_ppm1 1 328 F6.1
T E : ppm @ 1 foot
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Formstat (F3.0) ''
L X (Formstat=01 and (range(E_ppm1,0000.0,0020.0) or
+ F any(E_ppm1,-555.5,-888.8,-999.9)))
L X (Formstat=03 and (range(E_ppm1,0000.0,0020.0) or
+ F any(E_ppm1,-555.5,-888.8,-999.9)))
L X (any(Formstat,02,05,09) and E_ppm1=-888.8)

Q E_ppm4 1 334 F6.1
T E : ppm @ 4-6

R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P E_ppm1 (F6.1) ''
L X (range(E_ppm1,0000.0,0020.0) or E_ppm1=-999.9) and
+ F (range(E_ppm4,0000.0,0020.0) or any(E_ppm4,-555.5,-999.9))
L X (E_ppm1=-555.5 and E_ppm4=-555.5)
L X (E_ppm1=-888.8 and E_ppm4=-888.8)

Q E_ppm8 1 340 F6.1
T E : ppm @ >8 feet
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P E_ppm1 (F6.1) ''
L X (range(E_ppm1,0000.0,0020.0) or E_ppm1=-999.9) and
+ F (range(E_ppm8,0000.0,0020.0) or any(E_ppm8,-555.5,-999.9))
L X (E_ppm1=-555.5 and E_ppm8=-555.5)
L X (E_ppm1=-888.8 and E_ppm8=-888.8)

Q E_cmnt 1 346 I2
T E : Comments
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X any(Formstat,01,03) and (range(E_cmnt,01,50) or any(E_cmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and E_cmnt=-8)

Q W_ppm1 1 348 F6.1
T W : ppm @ 1 foot
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P Formstat (F3.0) ''
L X (Formstat=01 and (range(W_ppm1,0000.0,0020.0) or
+ F any(W_ppm1,-555.5,-888.8,-999.9)))
L X (Formstat=03 and (range(W_ppm1,0000.0,0020.0) or
+ F any(W_ppm1,-555.5,-888.8,-999.9)))
L X (any(Formstat,02,05,09) and W_ppm1=-888.8)

Q W_ppm4 1 354 F6.1
T W : ppm @ 4-6
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing

P W_ppm1 (F6.1) ''
L X (range(W_ppm1,0000.0,0020.0) or W_ppm1=-999.9) and
+ F (range(W_ppm4,0000.0,0020.0) or any(W_ppm4,-555.5,-999.9))
L X (W_ppm1=-555.5 and W_ppm4=-555.5)
L X (W_ppm1=-888.8 and W_ppm4=-888.8)

Q W_ppm8 1 360 F6.1
T W : ppm @ >8 feet
R (0000.0,0020.0)
Y -555.5 Refused
Y -888.8 Not Applicable
Y -999.9 Missing
P W_ppm1 (F6.1) ''
L X (range(W_ppm1,0000.0,0020.0) or W_ppm1=-999.9) and
+ F (range(W_ppm8,0000.0,0020.0) or any(W_ppm8,-555.5,-999.9))
L X (W_ppm1=-555.5 and W_ppm8=-555.5)
L X (W_ppm1=-888.8 and W_ppm8=-888.8)

Q W_cmnt 1 366 I2
T W : Comments
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X any(Formstat,01,03) and (range(W_cmnt,01,50) or any(W_cmnt,-5,-8,-9))
L X (any(Formstat,02,05,09) and W_cmnt=-8)

Appendix I: PM Sampling Data Sheet (Form)

Itemnum

PM SAMPLING

Form Type: 102	Study ○ 1. NHEXAS ○ 2. Border ○ 3. ○ 4. ○ 5.	Stage # Stage Collapsed? ○ ○ ○	Team Leader: Init. Tech ID Tech-ID	HHID HHID F.S. Visit Sampling Date HHID DFS Visit MO DAY YR Event date / Set up QC: [] Set up QC: [] Take down QC: []
FORM UA-F-3.0-1.0				
1. Sample Type: ○ Real ○ Replicate ○ N/A	<i>Sampling type</i> If no, how and why: _____			
2. Site Criteria Met: ○ Yes ○ No ○ N/A	<i>Crit. met</i>			
3. Nearest Source = Source ft. Source Description: _____				
4. PM Box Location: ○ Indoors ○ Outdoors ○ N/A	Pmloc Printbox			
5. PM Box #: _____				
ITEM	START	STOP	Set up QC:	Take down QC:
Date	Start date / End date MO DAY YR	MO DAY YR	[]	[]
Time	Start time / End time		[]	[]
Dial: Actual = Set	○ Yes Actual ○ No ○ N/A	○ Yes Actual ○ No ○ N/A	[]	[]
DVM ID #	Startdm	Enddm	[]	[]
Flowmeter ID #	Startflow	Endflow	[]	[]
Flowmeter Cal. Date	Startcal / Endcal MO DAY YR	MO DAY YR	[]	[]
Flowmeter Accuracy	Startacc %	Endacc %	[]	[]
PSY/HYG ID#	Startpsy	Endpsy	[]	[]
Temperature	Starttemp ○ °C ○ °F	Endtemp ○ °C ○ °F	[]	[]
RH%	Startrh %	Endrh %	[]	[]
Comments: _____				
<input type="checkbox"/> Met. Sample <input type="checkbox"/> Post. Sample <input type="checkbox"/> Blank Sample <input checked="" type="checkbox"/> Met. cont. <input checked="" type="checkbox"/> Post. cont. <input checked="" type="checkbox"/> Blank cont.				

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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PAGE 2
 PM Sampling

ITEM	START	STOP	Set up QC:	Take down QC:
METALS				
Impactor ID #	<input type="text"/> Mstimp	<input type="text"/> Mundimp	[]	[]
Filter ID #	3 1 Mstfilt	3 1 Mundfilt	[]	[]
DVM: Actual = Set	+/- 5% OY ON N/A	+/- 10% OY ON N/A	[]	[]
Flow	<input type="text"/> Mstflow Lpm	<input type="text"/> Mundflow Lpm	[]	[]
PESTICIDES				
Impactor ID #	<input type="text"/> Pstimp	<input type="text"/> Pendimp	[]	[]
Filter/PUF ID #	3 2 Pstfilt	3 2 Pendfilt	[]	[]
DVM: Actual = Set	+/- 5% OY ON N/A	+/- 10% OY ON N/A	[]	[]
Flow	<input type="text"/> Pstflow Lpm	<input type="text"/> Pendflow Lpm	[]	[]
T1 Timer	T1 Start <input type="text"/> . <input type="text"/>	T1 end <input type="text"/> . <input type="text"/>	[]	[]
T2 Timer	T2 start <input type="text"/> . <input type="text"/>	T2 end <input type="text"/> . <input type="text"/>	[]	[]
Tech. ID	<input type="text"/> Tech 1 <input type="text"/> Tech 2	EndTech 1 EndTech 2		
A). T1 Stop - T1 Start =	<input type="text"/> Total time <input type="text"/> . <input type="text"/>	= Total Box Run Time	[]	[]
B). T2 Stop - T2 Start =	<input type="text"/> Pesticide time <input type="text"/> . <input type="text"/>	= Pesticide Sample Time	[]	[]
C). A - B =	<input type="text"/> Metal time <input type="text"/> . <input type="text"/>	= Metals Sample Time	[]	[]
Blank or Spike Assigned:	If yes:	Impactor ID # <input type="text"/> Blnkimp	[]	[]
<input type="radio"/> Yes		Filter ID # <input type="text"/> Blnkfilt	[]	[]
<input type="radio"/> No <input type="radio"/> N/A	Blank	[] 25 microliter Vol. or [] N/A	[]	[]

Office Use Only																				
Form Status:	<input type="radio"/> 1.Cmp <input type="radio"/> 2.N Cmp <input type="radio"/> 3.P Cmp <input type="radio"/> 4.Re-coll <input type="radio"/> 5.Ref <input type="radio"/> 7.Dest <input type="radio"/> 8.N/A <input type="radio"/> 9.Miss																			
	Tech. ID	MO	DAY	YR																
	QC: <u>MBY</u>	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/>																
	QA: <u>QBY</u>	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/>																
	DE: <u>DEBY</u>	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/>																
	DP Batch: <u>DPBATCH</u>	<input type="text"/> / <input type="text"/> / <input type="text"/>	QXV: <u>FPMMA1</u>	<u>QXV</u>																
Chain of custody initiated _____ Consigned to packet on []: / / Box UA G4-2.0																				
Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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L X (any(Formstat,02,03,05,09) and any(Crit_met,001,002,088))

* If the source was greater than 10 feet the field tech. occasionally put 0.0

* for "Source" and then wrote down "No source". In that case "Source" is changed to N/A.

Q Source 1 33 F4.1

T Nearest Source

Y -5.5 Refused

Y -8.8 Not Applicable

Y -9.9 Missing

R (00.1,20.0)

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Source,00.1,20.0) or any(Source,-5.5,-8.8,-9.9)))

L X (any(Formstat,02,03,05,09) and (range(Source,00.1,20.0) or

+ F any(Source,-5.5,-8.8,-9.9)))

Q Pmloc 1 37 I3

T PM Box Location

Y 001 Indoors

Y 002 Outdoors

Y 088 N/A

P Formstat (F3.0) ''

L X (Formstat=01 and any(Pmloc,001,002,099))

L X (Formstat=03 and any(Pmloc,001,002,088,099))

L X (any(Formstat,02,05,09) and any(Pmloc,001,002,088))

Q Pmbox 1 40 I4

T PM Box #

R (0100,1998)

Y 1999 Pmbox where id was missing

Y 0005 SKC pump

Y -555 Refused

Y -888 Not Applicable

Y -999 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Pmbox,0100,2000) or any(Pmbox,0005,-555,-999)))

L X (Formstat=03 and (range(Pmbox,0100,2000) or any(Pmbox,0005,-555,-888,-999)))

L X (any(Formstat,02,05,09) and any(Pmbox,-888,-999))

* The following date field has been broken up into mm/dd/yy

*Q Stdate 1 44 A8

*T Date: Start

*Y 88888888 Default

Q Stdate_m 1 44 I2

T Date: Month Start

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,12)

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Stdate_m,01,12) or any(Stdate_m,-5,-9)))

L X (Formstat=03 and (range(Stdate_m,01,12) or any(Stdate_m,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Stdate_m=-8)

Q Stdate_d 1 47 I2
T Date: Day Start
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,31)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Stdate_d,01,31) or any(Stdate_d,-5,-9)))
L X (Formstat=03 and (range(Stdate_d,01,31) or any(Stdate_d,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Stdate_d=-8)

Q Stdate_y 1 50 I2
T Date: Year Start
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (95,99)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Stdate_y,95,99) or any(Stdate_y,-5,-9)))
L X (Formstat=03 and (range(Stdate_y,95,99) or any(Stdate_y,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Stdate_y=-8)

* The following date field has been broken up into mm/dd/yy

* Q Enddate 1 52 A8
* T Date: Stop
* Y 88888888 Default

Q Enddat_m 1 52 I2
T Date: Month End
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,12)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Enddat_m,01,12) or any(Enddat_m,-5,-9)))
L X (Formstat=03 and (range(Enddat_m,01,12) or any(Enddat_m,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Enddat_m=-8)

Q Enddat_d 1 55 I2
T Date: Day End
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,31)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Enddat_d,01,31) or any(Enddat_d,-5,-9)))
L X (Formstat=03 and (range(Enddat_d,01,31) or any(Enddat_d,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Enddat_d=-8)

Q Enddat_y 1 58 I2
T Date: Year End
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (95,99)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Enddat_y,95,99) or any(Enddat_y,-5,-9)))
L X (Formstat=03 and (range(Enddat_y,95,99) or any(Enddat_y,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Enddat_y=-8)

* The following time has been split up into hour and minute format
* Q Sftime 1 60 A5

* T Time: Start
* Y 8888

Q Sftime_h 1 60 I2
T Start Time : Hour
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (00,24)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Sftime_h,00,24) or any(Sftime_h,-5,-9)))
L X (Formstat=03 and (range(Sftime_h,00,24) or any(Sftime_h,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Sftime_h=-8)

Q Sftime_m 1 63 I2
T Start Time : Minute
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (00,60)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Sftime_m,00,60) or any(Sftime_m,-5,-9)))
L X (Formstat=03 and (range(Sftime_m,00,60) or any(Sftime_m,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Sftime_m=-8)

* The following time has been split up into hour and minute format

* Q Endtime 1 65 A5
* T Time: Stop
* Y 88888 Default

Q Endtim_h 1 65 I2
T Start Time : Hour
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (00,24)
P Formstat (F3.0) ''

L X (Formstat=01 and (range(Endtim_h,00,24) or any(Endtim_h,-5,-9)))
L X (Formstat=03 and (range(Endtim_h,00,24) or any(Endtim_h,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Endtim_h=-8)

Q Endtim_m 1 68 I2
T Start Time : Minute
Y -5 Refused
Y -8 Not Aplicable
Y -9 Missing
R (00,60)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Endtim_m,00,60) or any(Endtim_m,-5,-9)))
L X (Formstat=03 and (range(Endtim_m,00,60) or any(Endtim_m,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Endtim_m=-8)

Q Stdial 1 70 I3
T Dial: Actual = Set: Start
Y 001 Yes
Y 002 No
Y 088 N/A
Y 099 Missing
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and (Pmbox>999 or Pmbox=-999)) and
+ F any(Stdial,001,002,099)
L X (Formstat=03 and (Pmbox>999 or Pmbox=-999)) and
+ F any(Stdial,001,002,088,099)
L X (any(Formstat,02,05,09) or range(Pmbox,0001,0999)) and Stdial=088

Q Enddial 1 73 I3
T Dial: Actual = Set: Stop
Y 001 Yes
Y 002 No
Y 088 N/A
Y 099 Missing
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and (Pmbox>999 or Pmbox=-999)) and
+ F any(Enddial,001,002,099)
L X (Formstat=03 and (Pmbox>999 or Pmbox=-999)) and
+ F any(Enddial,001,002,088,099)
L X (any(Formstat,02,05,09) or range(Pmbox,0001,0999)) and Enddial=088

Q Stdvm 1 76 I3
T DVM ID#: Start
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
Y 250 DVM ID
Y 251 DVM ID
Y 252 DVM ID
Y 253 DVM ID
Y 254 DVM ID

Y 255 DVM ID

P Formstat (F3.0) '', Pmbox (F4.0) ''

L X (Formstat=01 and (Pmbox>999 or Pmbox=-999)) and

+ F (range(Stdvm,250,255) or any(Stdvm,-55,-99))

L X (Formstat=03 and (Pmbox>999 or Pmbox=-999)) and

+ F (range(Stdvm,250,255) or any(Stdvm,-55,-88,-99))

L X (any(Formstat,02,05,09) or range(Pmbox,0001,0999)) and Stdvm=-88

Q Enddvm 1 79 I3

T DVM ID#: Stop

Y -55 Refused

Y -88 Not Applicable

Y -99 Missing

Y 250 DVM ID

Y 251 DVM ID

Y 252 DVM ID

Y 253 DVM ID

Y 254 DVM ID

Y 255 DVM ID

P Formstat (F3.0) '', Pmbox (F4.0) ''

L X (Formstat=01 and (Pmbox>999 or Pmbox=-999)) and

+ F (range(Enddvm,250,255) or any(Enddvm,-55,-99))

L X (Formstat=03 and (Pmbox>999 or Pmbox=-999)) and

+ F (range(Enddvm,250,255) or any(Enddvm,-55,-88,-99))

L X (any(Formstat,02,05,09) or range(Pmbox,0001,0999)) and Enddvm=-88

Q Stflow 1 82 I3

T Flowmeter ID#: Start

Y -55 Refused

Y -88 Not Applicable

Y -99 Missing

Y 601 Flowmeter ID

Y 602 Flowmeter ID

Y 603 Flowmeter ID

Y 604 Flowmeter ID

Y 605 Flowmeter ID

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Stflow,601,605) or any(Stflow,-55,-99)))

L X (Formstat=03 and (range(Stflow,601,605) or any(Stflow,-55,-88,-99)))

L X (any(Formstat,02,05,09) and Stflow=-88)

Q Endflow 1 85 I3

T Flowmeter ID#: Stop

Y -55 Refused

Y -88 Not Applicable

Y -99 Missing

Y 601 Flowmeter ID

Y 602 Flowmeter ID

Y 603 Flowmeter ID

Y 604 Flowmeter ID

Y 605 Flowmeter ID

P Formstat (F3.0) ''
L X (Formstat=01 and (range(Endflow,601,605) or any(Endflow,-55,-99)))
L X (Formstat=03 and (range(Endflow,601,605) or any(Endflow,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Endflow=-88)

* The following date field has been broken up into mm/dd/yy
* Q Stcalib 1 88 A8
* T Flowmeter Cal. Date: Start
* Y 88888888 Default

Q Stcal_m 1 88 I2

T Date: Start
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,12)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Stcal_m,01,12) or any(Stcal_m,-5,-9)))
L X (Formstat=03 and (range(Stcal_m,01,12) or any(Stcal_m,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Stcal_m=-8)

Q Stcal_d 1 91 I2

T Date: Start
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,31)
P Formstat (F3.0) ''

L X (Formstat=01 and (range(Stcal_d,01,31) or any(Stcal_d,-5,-9)))
L X (Formstat=03 and (range(Stcal_d,01,31) or any(Stcal_d,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Stcal_d=-8)

Q Stcal_y 1 94 I2

T Date: Start
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (95,99)
P Formstat (F3.0) ''

L X (Formstat=01 and (range(Stcal_y,95,99) or any(Stcal_y,-5,-9)))
L X (Formstat=03 and (range(Stcal_y,95,99) or any(Stcal_y,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Stcal_y=-8)

* The following date field has been broken up into mm/dd/yy
* Q Endcalib 1 96 A8
* T Flowmeter Cal. Date: Stop
* Y 88888888 Default

Q Endcal_m 1 96 I2

T Date: Start
Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,12)

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Endcal_m,01,12) or any(Endcal_m,-5,-9)))

L X (Formstat=03 and (range(Endcal_m,01,12) or any(Endcal_m,-5,-8,-9)))

L X (any(Formstat,02,05,09) and Endcal_m=-8)

Q Endcal_d 1 99 I2

T Date: Start

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (01,31)

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Endcal_d,01,31) or any(Endcal_d,-5,-9)))

L X (Formstat=03 and (range(Endcal_d,01,31) or any(Endcal_d,-5,-8,-9)))

L X (any(Formstat,02,05,09) and Endcal_d=-8)

Q Endcal_y 1 102 I2

T Date: Start

Y -5 Refused

Y -8 Not Applicable

Y -9 Missing

R (95,99)

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Endcal_y,95,99) or any(Endcal_y,-5,-9)))

L X (Formstat=03 and (range(Endcal_y,95,99) or any(Endcal_y,-5,-8,-9)))

L X (any(Formstat,02,05,09) and Endcal_y=-8)

Q Stacc 1 104 F4.1

T Flowmeter Accuracy: Start

Y -5.5 Refused

Y -8.8 Not Applicable

Y -9.9 Missing

R (90.0,99.9)

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Stacc,90.0,99.9) or

+ F any(Stacc,-5.5,-9.9)))

L X (Formstat=03 and (range(Stacc,90.0,99.9) or

+ F any(Stacc,-5.5,-8.8,-9.9)))

L X (any(Formstat,02,05,09) and Stacc=-8.8)

Q Endacc 1 108 F4.1

T Flowmeter Accuracy: Stop

Y -5.5 Refused

Y -8.8 Not Applicable

Y -9.9 Missing

R (90.0,99.9)

P Formstat (F3.0) ''

L X (Formstat=01 and (range(Endacc,90.0,99.9) or

+ F any(Endacc,-5.5,-9.9)))
L X (Formstat=03 and (range(Endacc,90.0,99.9) or
+ F any(Endacc,-5.5,-8.8,-9.9)))
L X (any(Formstat,02,05,09) and Endacc=-8.8)

Q Stpsy 1 112 I3
T PSY/HYG ID#: Start
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
Y 101 PSY ID
Y 102 PSY ID
Y 103 PSY ID
Y 104 PSY ID
Y 150 Psy ID
Y 151 PSY ID
Y 152 PSY ID
Y 153 PSY ID
P Formstat (F3.0) ''
L X (Formstat=01 and (any(Stpsy,101,102,103,104,150,151,152,153,-55,-99)))
L X (Formstat=03 and (any(Stpsy,101,102,103,104,150,151,152,153,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Stpsy=-88)

Q Endpsy 1 115 I3
T PSY/HYG ID#: Stop
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
Y 101 PSY ID
Y 102 PSY ID
Y 103 PSY ID
Y 104 PSY ID
Y 150 Psy ID
Y 151 PSY ID
Y 152 PSY ID
Y 153 PSY ID
P Formstat (F3.0) ''
L X (Formstat=01 and (any(Endpsy,101,102,103,104,150,151,152,153,-55,-99)))
L X (Formstat=03 and (any(Endpsy,101,102,103,104,150,151,152,153,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Endpsy=-88)

Q Sttemp 1 118 I3
T Temperature: Start
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
R (05,110)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Sttemp,5,110) or
+ F any(Sttemp,-55,-99)))
L X (Formstat=03 and (range(Sttemp,5,110) or

+ F any(Sttemp,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Sttemp=-88)

Q Sttunit 1 121 I2
T Temperature: Start (Unit)
Y 01 C
Y 02 F
P Sttemp (F3.0) ''
L X (range(Sttemp,5,110) or any(Sttemp,-55,-99)) and any(Sttunit,01,02)
L X (Sttemp=-88 and Sttunit=01)

Q Endtemp 1 123 I3
T Temperature: Stop
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
R (8,110)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Endtemp,8,110) or
+ F any(Endtemp,-55,-99)))
L X (Formstat=03 and (range(Endtemp,8,110) or
+ F any(Endtemp,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Endtemp=-88)

Q Endtunit 1 126 I2
T Temperature: Stop (Unit)
Y 01 C
Y 02 F
P Sttemp (F3.0) ''
L X (range(Endtemp,8,110) or any(Endtemp,-55,-99)) and any(Endtunit,01,02)
L X (Sttemp=-88 and Endtunit=01)

Q Strh 1 128 I3
T RH%: Start
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
R (01,95)
P Formstat (F3.0) ''
L X (Formstat=01 and (range(Strh,01,95) or
+ F any(Strh,-55,-99)))
L X (Formstat=03 and (range(Strh,01,95) or
+ F any(Strh,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Strh=-88)

Q Endrh 1 131 I3
T RH%: Stop
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
R (01,95)

P Formstat (F3.0) ''
L X (Formstat=01 and (range(Endrh,01,95) or
+ F any(Endrh,-55,-99)))
L X (Formstat=03 and (range(Endrh,01,95) or
+ F any(Endrh,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Endrh=-88)

Q Met_com 1 134 I2
T Comments: Met. Sample
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X (any(Formstat,01,02,03,05,09) and (range(Met_com,01,95) or
+ F any(Met_com,-5,-8,-9)))

Q Pest_com 1 136 I2
T Comments: Pest. Sample
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X (any(Formstat,01,02,03,05,09) and (range(Pest_com,01,95) or
+ F any(Pest_com,-5,-8,-9)))

Q Blk_com 1 138 I2
T Comments: Blank Sample
Y -5 Refused
Y -8 Not Applicable
Y -9 Missing
R (01,50)
P Formstat (F3.0) ''
L X (any(Formstat,01,03) and (range(Blk_com,01,95) or
+ F any(Blk_com,-5,-8,-9)))
L X (any(Formstat,02,05,09) and Blk_com=-8)

Q Mstimp 1 140 I4
T Metals: Impactor ID#: Start
Y -555 Refused
Y -888 Not Applicable
Y -999 Missing
R (1000,2000)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Mstimp,1000,2000) or
+ F any(Mstimp,-555,-999))
L X (Formstat=01 and Pmbox<999) and (range(Mstimp,1000,2000) or
+ F any(Mstimp,-555,-888,-999))
L X (Formstat=03 and (range(Mstimp,1000,2000) or
+ F any(Mstimp,-555,-888,-999)))

L X (any(Formstat,02,05,09) and Mstimp=-888)

Q Mendimp 1 144 I4

T Metals: Impactor ID#: Stop

Y -555 Refused

Y -888 Not Applicable

Y -999 Missing

R (1000,2000)

P Formstat (F3.0) '', Pmbox (F4.0) ''

L X (Formstat=01 and Pmbox>999) and (range(Mendimp,1000,2000) or
+ F any(Mendimp,-555,-999))

L X (Formstat=01 and Pmbox<999) and (range(Mendimp,1000,2000) or
+ F any(Mendimp,-555,-888,-999))

L X (Formstat=03 and (range(Mendimp,1000,2000) or
+ F any(Mendimp,-555,-888,-999)))

L X (any(Formstat,02,05,09) and Mendimp=-888)

Q Mstfilt 1 148 I7

T Metals: Filter ID#: Start

Y -555555 Refused

Y -888888 Default

Y -999999 Missing

Y 0000031 Default

R (3100000,3199999)

P Formstat (F3.0) '', Pmbox (F4.0) ''

L X (Formstat=01 and Pmbox>999) and (range(Mstfilt,3100000,3199999) or
+ F any(Mstfilt,-555555,-999999))

L X (Formstat=01 and Pmbox<999) and (range(Mstfilt,3100000,3199999) or
+ F any(Mstfilt,-555555,-888888,-999999))

L X (Formstat=03 and (range(Mstfilt,3100000,3199999) or
+ F any(Mstfilt,-555555,-888888,-999999)))

L X (any(Formstat,02,05,09) and Mstfilt=-888888)

Q Mendfilt 1 155 I7

T Metals: Filter ID#: Stop

Y -555555 Refused

Y -888888 Default

Y -999999 Missing

Y 0000031 Default

R (3100000,3199999)

P Formstat (F3.0) '', Pmbox (F4.0) ''

L X (Formstat=01 and Pmbox>999) and (range(Mendfilt,3100000,3199999) or
+ F any(Mendfilt,-555555,-999999))

L X (Formstat=01 and Pmbox<999) and (range(Mendfilt,3100000,3199999) or
+ F any(Mendfilt,-555555,-888888,-999999))

L X (Formstat=03 and (range(Mendfilt,3100000,3199999) or
+ F any(Mendfilt,-555555,-888888,-999999)))

L X (any(Formstat,02,05,09) and Mendfilt=-888888)

Q Mstdial 1 162 I3

T Metals: DVM: Actual = Set: Start

Y 001 Y
Y 002 N
Y 088 N/A
Y 099 Missing
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and any(Mstdial,001,002,099)
L X (Formstat=01 and Pmbox<999) and any(Mstdial,001,002,088,099)
L X (Formstat=03 and any(Mstdial,001,002,088))
L X (any(Formstat,02,05,09) and Mstdial=088)

Q Menddial 1 165 I3
T Metals: DVM: Actual = Set: Stop
Y 001 Y
Y 002 N
Y 088 N/A
Y 099 Missing
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and any(Menddial,001,002,099)
L X (Formstat=01 and Pmbox<999) and any(Menddial,001,002,088,099)
L X (Formstat=03 and any(Menddial,001,002,088))
L X (any(Formstat,02,05,09) and Menddial=088)

Q Mstflow 1 168 F4.2
T Metals: Flow: Start
Y -.55 Refused
Y -.88 Not Applicable
Y -.99 Missing
R (3.00,4.50)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Mstflow,3.00,4.50) or
+ F any(Mstflow,-.55,-.99))
L X (Formstat=01 and Pmbox<999) and (range(Mstflow,3.00,4.50) or
+ F any(Mstflow,-.55,-.88,-.99))
L X (Formstat=03 and (range(Mstflow,3.00,4.50) or
+ F any(Mstflow,-.55,-.88,-.99)))
L X (any(Formstat,02,05,09) and Mstflow=-.88)

Q Mendflow 1 172 F4.2
T Metals: Flow: Stop
Y -.55 Refused
Y -.88 Not Applicable
Y -.99 Missing
R (3.00,4.63)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Mendflow,3.00,4.63) or
+ F any(Mendflow,-.55,-.99))
L X (Formstat=01 and Pmbox<999) and (range(Mendflow,3.00,4.63) or
+ F any(Mendflow,-.55,-.88,-.99))
L X (Formstat=03 and (range(Mendflow,3.00,4.63) or
+ F any(Mendflow,-.55,-.88,-.99)))
L X (any(Formstat,02,05,09) and Mendflow=-.88)

Q Pstimp 1 176 I3
T Pesticides: Impactor ID#: Start
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
R (300,500)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Pstimp,300,500) or
+ F any(Pstimp,-55,-99))
L X (Formstat=01 and Pmbox<999) and (range(Pstimp,300,500) or
+ F any(Pstimp,-55,-88,-99))
L X (Formstat=03 and (range(Pstimp,300,500) or
+ F any(Pstimp,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Pstimp=-88)

Q Pendimp 1 179 I3
T Pesticides: Impactor ID#: Stop
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
R (300,500)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Pendimp,300,500) or
+ F any(Pendimp,-55,-99))
L X (Formstat=01 and Pmbox<999) and (range(Pendimp,300,500) or
+ F any(Pendimp,-55,-88,-99))
L X (Formstat=03 and (range(Pendimp,300,500) or
+ F any(Pendimp,-55,-88,-99)))
L X (any(Formstat,02,05,09) and Pendimp=-88)

Q Pstfilt 1 182 I7
T Pesticides: Filter/PUF ID#: Start
Y -555555 Refused
Y -888888 Not Applicable
Y -999999 Missing
Y 0000032 Default
R (3200000,3299999)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Pstfilt,3200000,3299999) or
+ F any(Pstfilt,-555555,-999999))
L X (Formstat=01 and Pmbox<999) and (range(Pstfilt,3200000,3299999) or
+ F any(Pstfilt,-555555,-888888,-999999))
L X (Formstat=03 and (range(Pstfilt,3200000,3299999) or
+ F any(Pstfilt,-555555,-888888,-999999)))
L X (any(Formstat,02,05,09) and Pstfilt=-888888)

Q Pendfilt 1 189 I7
T Pesticides: Filter/PUF ID#: Stop
Y -555555 Refused
Y -888888 Not Applicable

Y -999999 Missing
Y 0000032 Default
R (3200000,3299999)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Pendfilt,3200000,3299999) or
+ F any(Pendfilt,-555555,-999999))
L X (Formstat=01 and Pmbox<999) and (range(Pendfilt,3200000,3299999) or
+ F any(Pendfilt,-555555,-888888,-999999))
L X (Formstat=03 and (range(Pendfilt,3200000,3299999) or
+ F any(Pendfilt,-555555,-888888,-999999)))
L X (any(Formstat,02,05,09) and Pendfilt=-888888)

Q Pstdial 1 196 I3
T Pesticides: DVM: Actual = Set: Start
Y 001 Y
Y 002 N
Y 088 N/A
Y 099 Missing
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and any(Pstdial,001,002,099)
L X (Formstat=01 and Pmbox<999) and any(Pstdial,001,002,088,099)
L X (Formstat=03 and any(Pstdial,001,002,088))
L X (any(Formstat,02,05,09) and Pstdial=088)

Q Penddial 1 199 I3
T Pesticides: DVM: Actual = Set: Stop
Y 001 Y
Y 002 N
Y 088 N/A
Y 099 Missing
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and any(Penddial,001,002,099)
L X (Formstat=01 and Pmbox<999) and any(Penddial,001,002,088,099)
L X (Formstat=03 and any(Penddial,001,002,088))
L X (any(Formstat,02,05,09) and Penddial=088)

Q Pstflow 1 202 F4.2
T Pesticides: Flow: Start
Y -.55 Refused
Y -.88 Not Applicable
Y -.99 Missing
R (3.00,4.50)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Pstflow,3.00,4.50) or
+ F any(Pstflow,-.55,-.99))
L X (Formstat=01 and Pmbox<999) and (range(Pstflow,3.00,4.50) or
+ F any(Pstflow,-.55,-.88,-.99))
L X (Formstat=03 and (range(Pstflow,3.00,4.50) or
+ F any(Pstflow,-.55,-.88,-.99)))
L X (any(Formstat,02,05,09) and Pstflow=-.88)

Q Pendflow 1 206 F4.2
T Pesticides: Flow: Stop
Y -.55 Refused
Y -.88 Not Applicable
Y -.99 Missing
R (3.00,4.50)
P Formstat (F3.0) '', Pmbox (F4.0) ''
P Formstat (F3.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Pendflow,3.00,4.50) or
+ F any(Pendflow,-.55,-.99))
L X (Formstat=01 and Pmbox<999) and (range(Pendflow,3.00,4.50) or
+ F any(Pendflow,-.55,-.88,-.99))
L X (Formstat=03 and (range(Pendflow,3.00,4.50) or
+ F any(Pendflow,-.55,-.88,-.99)))
L X (any(Formstat,02,05,09) and Pendflow=-.88)

Q T1start 1 210 F7.1
T T1 Timer: Start
Y -5555.5 Refused
Y -8888.8 Not Applicable
Y -9999.9 Missing
R (00500.0,30000.0)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(T1start,00500.0,30000.0) or
+ F any(T1start,-5555.5,-9999.9))
L X (Formstat=01 and Pmbox<999) and (range(T1start,00500.0,30000.0) or
+ F any(T1start,-5555.5,-8888.8,-9999.9))
L X (Formstat=03 and (range(T1start,00500.0,30000.0) or
+ F any(T1start,-5555.5,-8888.8,-9999.9)))
L X (any(Formstat,02,05,09) and T1start=-8888.8)

Q T1end 1 217 F7.1
T T1 Timer: Stop
Y -5555.5 Refused
Y -8888.8 Not Applicable
Y -9999.9 Missing
R (00500.0,30000.0)
P Formstat (F3.0) '', Pmbox (F4.0) ''
L X (Formstat=01 and Pmbox>999) and (range(T1end,00500.0,30000.0) or
+ F any(T1end,-5555.5,-9999.9))
L X (Formstat=01 and Pmbox<999) and (range(T1end,00500.0,30000.0) or
+ F any(T1end,-5555.5,-8888.8,-9999.9))
L X (Formstat=03 and (range(T1end,05000.0,30000.0) or
+ F any(T1end,-5555.5,-8888.8,-9999.9)))
L X (any(Formstat,02,05,09) and T1end=-8888.8)

Q T2start 1 224 F7.1
T T2 Timer: Start
Y -5555.5 Refused
Y -8888.8 Not Applicable
Y -9999.9 Missing

+ F any(Tot_time,-5555.5,-9999.9))
L X (Formstat=03 and (range(Tot_time,00000.4,04500.0) or
+ F any(Tot_time,-5555.5,-8888.8,-9999.9)))
L X (any(Formstat,02,05,09) and Tot_time=-8888.8)

Q Pesttime 1 253 F7.1
T T2 Stop - T2 Start = Pesticide Sample Time
Y -5555.5 Refused
Y -8888.8 Not Applicable
Y -9999.9 Missing
R (00000.2,04500.0)
P Formstat (F3.0) '', Pmbox (F4.0) '', Pstfilt (F7.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Pesttime,00000.2,04500.0) or
+ F any(Pesttime,-5555.5,-9999.9))
L X (Formstat=01 and Pmbox<999 and not(Pstfilt=-888888)) and
+ F (range(Pesttime,00000.2,04500.0) or any(Pesttime,-5555.5,-9999.9))
L X (Formstat=01 and Pmbox<999 and Pstfilt=-888888) and
+ F Pesttime=-8888.8
L X (Formstat=03 and (range(Pesttime,00000.2,04500.0) or
+ F any(Pesttime,-5555.5,-8888.8,-9999.9)))
L X (any(Formstat,02,05,09) and Pesttime=-8888.8)

Q Met_time 1 260 F7.1
T T2 Stop - T2 Start = Metals Sample Time
Y -5555.5 Refused
Y -8888.8 Not Applicable
Y -9999.9 Missing
R (00000.1,04500.0)
P Formstat (F3.0) '', Pmbox (F4.0) '', Mstfilt (F7.0) ''
L X (Formstat=01 and Pmbox>999) and (range(Met_time,00000.1,04500.0) or
+ F any(Met_time,-5555.5,-9999.9))
L X (Formstat=01 and Pmbox<999 and not(Mstfilt=-888888)) and
+ F (range(Met_time,00000.1,04500.0) or any(Met_time,-5555.5,-9999.9))
L X (Formstat=01 and Pmbox<999 and Mstfilt=-888888) and
+ F Met_time=-8888.8
L X (Formstat=03 and (range(Met_time,00000.1,04500.0) or
+ F any(Met_time,-5555.5,-8888.8,-9999.9)))
L X (any(Formstat,02,05,09) and Met_time=-8888.8)

Q Blank 1 267 I3
T Blank or Spike Assigned:
Y 001 Yes
Y 002 No
Y 088 N/A
P Formstat (F3.0) ''
L X (Formstat=01 and any(Blank,001,002))
L X (Formstat=03 and any(Blank,001,002,088))
L X (any(Formstat,02,05,09) and Blank=088)

Q Blnkimp 1 270 I4
T Impactor ID#:

Appendix K: Sentinel Data Sheet (Form)

SENTINEL SAMPLING

Form Type: 107 Hennum FORM UA-F-10.0-1.0	Study: <input type="radio"/> 1. NRHEAS <input type="radio"/> 2. Border <input type="radio"/> 3. _____ <input type="radio"/> 4. _____ <input type="radio"/> 5. _____ Study	Stage Stage # <input type="text"/> Collapsed? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> S Collapse	Team Leader: Tech ID <input type="text"/> Init. Tech ID <input type="text"/>	HHID <input type="text"/> HHID <input type="text"/> F.S. Visit Sampling Date <input type="text"/> HHIDFS VISIT MO <input type="text"/> DAY <input type="text"/> YR EVALUATED <input type="checkbox"/> Set up QC: <input type="checkbox"/> INITIALIZED <input type="checkbox"/> Take down QC: <input type="checkbox"/>		
1. Site Selection Criteria Met: <input type="radio"/> Yes Critmet <input type="radio"/> No <input type="radio"/> N/A (def.)		2. Sentinel ID#: <input type="text"/> Sentinel ID Set up QC: <input type="checkbox"/> Take down QC: <input type="checkbox"/>				
If no, how and why: _____		3. Sample ID#: <input type="text"/> 12 <input type="text"/> Sample ID				
ITEM	SET-UP		TEARDOWN		Set up QC:	Take down QC:
Date	<input type="text"/> St-date <input type="text"/> / <input type="text"/> / <input type="text"/> MO <input type="text"/> DAY <input type="text"/> YR		<input type="text"/> End-date <input type="text"/> / <input type="text"/> / <input type="text"/> MO <input type="text"/> DAY <input type="text"/> YR		<input type="checkbox"/>	<input type="checkbox"/>
Time	St-time <input type="text"/> : <input type="text"/> St-time <input type="text"/> : <input type="text"/> <input type="text"/> : <input type="text"> : <input type="text"/> : <input type="text"/></input>		End-time <input type="text"/> : <input type="text"/> End-time <input type="text"/> : <input type="text"/> <input type="text"/> : <input type="text"> : <input type="text"/> : <input type="text"/></input>		<input type="checkbox"/>	<input type="checkbox"/>
Temp.	St-temp <input type="text"/> °C St-temp <input type="text"/> °C <input type="text"/> °F		End-temp <input type="text"/> °C End-temp <input type="text"/> °C <input type="text"/> °F		<input type="checkbox"/>	<input type="checkbox"/>
RH %	<input type="text"/> St-Rh <input type="text"/> %		End-Rh <input type="text"/> %		<input type="checkbox"/>	<input type="checkbox"/>
PSY/HYG ID#	<input type="text"/> St-psy <input type="text"/>		End-psy <input type="text"/> <input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Flowmeter ID#	<input type="text"/> St-FWID <input type="text"/>		EndFWID <input type="text"/> <input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Flowmeter Cal. Date	<input type="text"/> / St-Calib <input type="text"/> / <input type="text"/> MO <input type="text"/> DAY <input type="text"/> YR		End-Calib <input type="text"/> / <input type="text"/> / <input type="text"/> MO <input type="text"/> DAY <input type="text"/> YR		<input type="checkbox"/>	<input type="checkbox"/>
Flowmeter Accuracy	<input type="text"/> . <input type="text"/> % St-acc <input type="text"/> . <input type="text"/> %		End-acc <input type="text"/> . <input type="text"/> %		<input type="checkbox"/>	<input type="checkbox"/>
Flow Rate	<input type="text"/> . <input type="text"/> LPM St-Flow <input type="text"/> . <input type="text"/> LPM		End-Flow <input type="text"/> . <input type="text"/> LPM		<input type="checkbox"/>	<input type="checkbox"/>
T1 Timer	Start <input type="text"/> St-T1 <input type="text"/> . <input type="text"/> <input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>		Stop End-T1 <input type="text"/> . <input type="text"/> <input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Tech. ID:	Init. <input type="text"/> St-tech1 <input type="text"/> Init. <input type="text"/> St-tech2 <input type="text"/> Endtech1 <input type="text"/> Endtech2 <input type="text"/>		Init. <input type="text"/> Endtech1 <input type="text"/> Init. <input type="text"/> Endtech2 <input type="text"/>			
4. Sample Time = T1 Teardown <input type="text"/> -- T1 Setup <input type="text"/> = <input type="text"/> . <input type="text"/> hour(s) Tot-time <input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>						

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Sentinel Sampling

5. Blank filter used?		QC: <input checked="" type="checkbox"/>																									
<input type="radio"/> Yes	Blank Filter ID #:	Blank-1D																									
<input type="radio"/> No	Blank	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
<input type="radio"/> N/A (def.)		or N/A <input type="checkbox"/>																									
REPLICATE SAMPLER																											
6. Replicate filter used?		Set up QC: <input type="checkbox"/> Take down QC: <input type="checkbox"/>																									
<input type="radio"/> Yes	a. Replicate Sentinel ID#:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> R-SentId																									
<input type="radio"/> No	b. Replicate Sample ID#:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 12 R-SampId																									
<input type="radio"/> N/A (def.)		or N/A <input type="checkbox"/>																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding-bottom: 5px;">ITEM</th> <th style="text-align: center; padding-bottom: 5px;">SET-UP</th> <th style="text-align: center; padding-bottom: 5px;">TEARDOWN</th> <th style="text-align: center; padding-bottom: 5px;">Set up QC:</th> <th style="text-align: center; padding-bottom: 5px;">Take down QC:</th> </tr> </thead> <tbody> <tr> <td>Time</td> <td style="text-align: center;"><input :="" type="checkbox"/><input type="checkbox"/> Rst-time</td> <td style="text-align: center;"><input type="checkbox"/>:<input type="checkbox"/> Rend-time</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Flow Rate</td> <td style="text-align: center;"><input type="checkbox"/>.<input type="checkbox"/> RstFlow LPM</td> <td style="text-align: center;"><input type="checkbox"/>.<input type="checkbox"/> RendFlow LPM</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>T1 Timer</td> <td style="text-align: center;"><input type="checkbox"/>.<input type="checkbox"/> Rst-T1</td> <td style="text-align: center;"><input type="checkbox"/>.<input type="checkbox"/> Rend-T2</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Tech ID</td> <td style="text-align: center;">Init. <input type="checkbox"/> Rst-tec1 <input type="checkbox"/> RST+TEC1</td> <td style="text-align: center;">Init. <input type="checkbox"/> Rend-tec1 <input type="checkbox"/> Rend+TEC1</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>			ITEM	SET-UP	TEARDOWN	Set up QC:	Take down QC:	Time	<input :="" type="checkbox"/> <input type="checkbox"/> Rst-time	<input type="checkbox"/> : <input type="checkbox"/> Rend-time	<input type="checkbox"/>	<input type="checkbox"/>	Flow Rate	<input type="checkbox"/> . <input type="checkbox"/> RstFlow LPM	<input type="checkbox"/> . <input type="checkbox"/> RendFlow LPM	<input type="checkbox"/>	<input type="checkbox"/>	T1 Timer	<input type="checkbox"/> . <input type="checkbox"/> Rst-T1	<input type="checkbox"/> . <input type="checkbox"/> Rend-T2	<input type="checkbox"/>	<input type="checkbox"/>	Tech ID	Init. <input type="checkbox"/> Rst-tec1 <input type="checkbox"/> RST+TEC1	Init. <input type="checkbox"/> Rend-tec1 <input type="checkbox"/> Rend+TEC1	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	SET-UP	TEARDOWN	Set up QC:	Take down QC:																							
Time	<input :="" type="checkbox"/> <input type="checkbox"/> Rst-time	<input type="checkbox"/> : <input type="checkbox"/> Rend-time	<input type="checkbox"/>	<input type="checkbox"/>																							
Flow Rate	<input type="checkbox"/> . <input type="checkbox"/> RstFlow LPM	<input type="checkbox"/> . <input type="checkbox"/> RendFlow LPM	<input type="checkbox"/>	<input type="checkbox"/>																							
T1 Timer	<input type="checkbox"/> . <input type="checkbox"/> Rst-T1	<input type="checkbox"/> . <input type="checkbox"/> Rend-T2	<input type="checkbox"/>	<input type="checkbox"/>																							
Tech ID	Init. <input type="checkbox"/> Rst-tec1 <input type="checkbox"/> RST+TEC1	Init. <input type="checkbox"/> Rend-tec1 <input type="checkbox"/> Rend+TEC1	<input type="checkbox"/>	<input type="checkbox"/>																							
7. Replicate Sample Time																											
T1 Teardown _____ - T1 Setup _____ =		<input type="checkbox"/> . <input type="checkbox"/> Rep Tot																									
Comments: _____																											
Comment Codes																											
Gen. Comment: <input type="checkbox"/> Real Sample: <input type="checkbox"/> Blank Sample: <input type="checkbox"/> Rep. Sample: <input type="checkbox"/> Rep-Comm <input type="checkbox"/> Gen-Comm <input type="checkbox"/> Blank-Comm <input type="checkbox"/>																											

Office Use Only		QC: <input checked="" type="checkbox"/>
		Form Status: <input type="radio"/> 1.Cmp <input type="radio"/> 2.N Cmp <input type="radio"/> 3.P Cmp <input type="radio"/> 4.Re-cool <input type="radio"/> 5.Ref <input type="radio"/> 7.Dest <input type="radio"/> 8.N/A <input type="radio"/> 9.Miss
Chain of custody initiated (sig.): _____		
Consigned to packet on: [] / /		Box UA G4-2.0
PageLink QC: Init: _____		21640
Data Use Only: <input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E <input type="radio"/> F <input type="radio"/> G <input type="radio"/> H <input type="radio"/> I <input type="radio"/> J		

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Appendix L: Sentinel Data Sheet (Dictionary)

Appendix M: Soil Sampling (Form)

Itemnum Study

SOIL SAMPLING

Form Type: 104	Study: ○ 1. NHEXAS ○ 2. Border ○ 3. _____ ○ 4. _____ ○ 5. _____	Stage Stage # <input type="text"/> Collapse Collapsed? Y N S ○ ○ ○	Team Leader: Tech ID Init. Collected by: Collab Init.	Tech ID Tech ID HHID <input type="text"/> HHID <input type="text"/> F.S. Visit Sample Date HHIDFS VISIT Funt/date/ MO DAY YR QC: ✓ []
FORM UA-F-5.0-1.0		1. Collection Start Time: <input type="text"/> : <input type="text"/> Start time 2. Collection Stop Time: <input type="text"/> : <input type="text"/> End time QC: ✓ []		
Site #	Foundation Soil	Comments	Yard Soil	Comments
1	O Y O N O N/A	[] Fdcmnt1 <input type="text"/>	O Y O N O N/A	[] Yard 1 <input type="text"/>
2	O Y O N O N/A	[] Fdcmnt2 <input type="text"/>	O Y O N O N/A	[] Yard 2 <input type="text"/>
3	O Y O N O N/A	[] Fdcmnt3 <input type="text"/>	O Y O N O N/A	[] Yard 3 <input type="text"/>
4	O Y O N O N/A	[] Fdcmnt4 <input type="text"/>	O Y O N O N/A	[] Yard 4 <input type="text"/>
5	O Y O N O N/A	[] Fdcmnt5 <input type="text"/>	O Y O N O N/A	[] Yard 5 <input type="text"/>
6	O Y O N O N/A	[] Fdcmnt6 <input type="text"/>	O Y O N O N/A	[] Yard 6 <input type="text"/>
7	O Y O N O N/A	[] Fdcmnt7 <input type="text"/>	O Y O N O N/A	[] Yard 7 <input type="text"/>
8	O Y O N O N/A	[] Fdcmnt8 <input type="text"/>	O Y O N O N/A	[] Yard 8 <input type="text"/>
9	O Y O N O N/A	[] Fdcmnt9 <input type="text"/>	O Y O N O N/A	[] Yard 9 <input type="text"/>
10	O Y O N O N/A	[] Fdcmnt10 <input type="text"/>	O Y O N O N/A	[] Yard <input type="text"/>
3. Foundation Soil Sample ID: 53 <input type="text"/> ac:r []		Comments: _____ _____ _____		
4. Yard Soil Sample ID: 510 <input type="text"/> Tech ID []		Comments: _____ _____ _____		
QC ✓ By: Qcchk <input type="text"/> Init.				

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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Soil Sampling*Thin film*

5. Thin Film Loc.: 1. curb 2. drive 3. mailbox 4. outer window sill N/A (def.)

6. Thin Film ID#: **59** *TfsampID* QC: r []

Provide a rough birds-eye view of the residence and yards. Indicate sample sites by site #.



QC: r []

*Formstat***Office Use Only**

Form Status:
 1.Cmp
 2.N Cmp
 3.P Cmp
 4.Re-col
 5.Ref
 7.Dest
 8.N/A
 9.Miss

QC: **QCBY** Tech. ID: **QCBY** MO: **QCBY** DAY: **QCBY** / YR: **QCBY**
 Init. **QCBY** DP Batch: **QCBY** DE: **NEBN** Init. **NEBN** QXV: **FSO 11**
QCBY DP Batch: **QCBY** DE: **NEBN** Init. **NEBN** QXV: **FSO 11**
QCBY DP Batch: **QCBY** DE: **NEBN** Init. **NEBN** QXV: **FSO 11**

Chain of custody initiated (sig.): _____

Consigned to packet on: [] _____ / _____ / _____

Box UA G4-2.0

Comments: _____

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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Appendix N: Soil Sampling (Dictionary)

Appendix O: Surface Sampling (Form)

Item Number		Study		Stage #		SURFACE SAMPLING		F.S.		Sampling Date		Visit			
Form Type:															
1 0 6		<input type="radio"/> 1. INHEDAS <input type="radio"/> 2. Border <input type="radio"/> 3. <u> </u> <input type="radio"/> 4. <u> </u> <input type="radio"/> 5. <u> </u>		<input type="checkbox"/> Collapsed <input type="checkbox"/> Collapsed <input type="checkbox"/> Collapsed		Leader: _____ Int. Tech ID		Tech ID HHID		HHID		HHIDPS			
FORM: UA-F-8.0-1.0															
Metals Wipe ID#:		8 1		Pesticides Wipe ID#:		8 3		Dest. Wipe		Sill Thin Film ID#:		8 9			
Wipe #	Location	Loc. Code	Wipe Area	Type	Psy/Hyg ID#	Temperature Units	% RH	Comments	QC'	Mo	/	Dry	/	m	
1	Loc-1		Length-cm Width-cm cm X cm	Length-cm Width-cm cm X cm	Temp-1 Temp-2 Temp-3 Temp-4	Temp-1 Temp-2 Temp-3 Temp-4	0°C 0°F	Rh-1 Rh-2 Rh-3 Rh-4	%	0	/	0	/	0	
2	Loc-2		Length-cm Width-cm cm X cm	Length-cm Width-cm cm X cm	Temp-1 Temp-2 Temp-3 Temp-4	Temp-1 Temp-2 Temp-3 Temp-4	0°C 0°F	Rh-1 Rh-2 Rh-3 Rh-4	%	0	/	0	/	0	
3	Loc-3		Length-cm Width-cm cm X cm	Length-cm Width-cm cm X cm	Temp-1 Temp-2 Temp-3 Temp-4	Temp-1 Temp-2 Temp-3 Temp-4	0°C 0°F	Rh-1 Rh-2 Rh-3 Rh-4	%	0	/	0	/	0	
4	Loc-4		Length-cm Width-cm cm X cm	Length-cm Width-cm cm X cm	Temp-1 Temp-2 Temp-3 Temp-4	Temp-1 Temp-2 Temp-3 Temp-4	0°C 0°F	Rh-1 Rh-2 Rh-3 Rh-4	%	0	/	0	/	0	
1. Sample START time:				3. Thin film sample taken as composite from:		Locations:		Thin-film-1		Thin-film-2		Thin-film-3		Thin-film-4	
2. Sample STOP time:		QC []				QC []		QC []		QC []		QC []		QC []	
Form Status:				Office Use Only				Tech ID MO DAY YR		Tech ID MO DAY YR		Tech ID MO DAY YR		Tech ID MO DAY YR	
<input type="radio"/> 1.Corp <input type="radio"/> 2.N Corp <input type="radio"/> 3.P Corp <input type="radio"/> 4.Revol <input type="radio"/> 5.Ref <input type="radio"/> 6.Dest <input type="radio"/> 8.NRA <input type="radio"/> 9.Miss		QC: <u>QCBN</u> / <u>QCBN</u> / <u>QCBN</u> / <u>QCBN</u>		DE: <u>DET</u> / <u>DET</u> / <u>DET</u> / <u>DET</u>		DP Batch: <u>DBATCH</u>		QXV: <u>F S U R 1</u>							
Chain of custody initiated (sig): _____ / _____ Consigned to packet on: [] _____ / _____ Box UA G4-2.0															
Data Use Only: <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E <input type="radio"/> F <input type="radio"/> G <input type="radio"/> H <input type="radio"/> I <input type="radio"/> J															

ITEMS	WIPE 1				WIPE 2				WIPE 3				WIPE 4				QC / []								
1. Window Faces Shade ONE bubble.	<input type="radio"/> North	<input type="radio"/> East	<input type="radio"/> N	<input type="radio"/> South	<input type="radio"/> West	<input type="radio"/> W	<input type="radio"/> M	<input type="radio"/> North	<input type="radio"/> East	<input type="radio"/> N	<input type="radio"/> South	<input type="radio"/> West	<input type="radio"/> W	<input type="radio"/> M	<input type="radio"/> North	<input type="radio"/> East	<input type="radio"/> N	<input type="radio"/> South	<input type="radio"/> West	<input type="radio"/> W	<input type="radio"/> M	[]			
2. Window Features Shade ALL THAT APPLY.	<input type="radio"/> Window opens	<input type="radio"/> Metal latches	<input type="radio"/> Sill is painted	<input type="radio"/> Loose paint chips	<input type="radio"/> Window opens	<input type="radio"/> Metal latches	<input type="radio"/> Sill is painted	<input type="radio"/> Loose paint chips	<input type="radio"/> Window opens	<input type="radio"/> Metal latches	<input type="radio"/> Sill is painted	<input type="radio"/> Loose paint chips	<input type="radio"/> Window opens	<input type="radio"/> Metal latches	<input type="radio"/> Sill is painted	<input type="radio"/> Loose paint chips	<input type="radio"/> Window opens	<input type="radio"/> Metal latches	<input type="radio"/> Sill is painted	<input type="radio"/> Loose paint chips	<input type="radio"/> Window opens	<input type="radio"/> Metal latches	<input type="radio"/> Sill is painted	<input type="radio"/> Loose paint chips	[]
3. Surface Area Sampled is: Shade ALL THAT APPLY.	<input type="radio"/> Metal	<input type="radio"/> N	<input type="radio"/> Sill	<input type="radio"/> Sill	<input type="radio"/> Metal	<input type="radio"/> N	<input type="radio"/> Sill	<input type="radio"/> Sill	<input type="radio"/> Metal	<input type="radio"/> N	<input type="radio"/> Sill	<input type="radio"/> Sill	<input type="radio"/> Metal	<input type="radio"/> N	<input type="radio"/> Sill	<input type="radio"/> Sill	<input type="radio"/> Metal	<input type="radio"/> N	<input type="radio"/> Sill	<input type="radio"/> Sill	<input type="radio"/> Metal	<input type="radio"/> N	<input type="radio"/> Sill	<input type="radio"/> Sill	[]
4. Type of Blinds Shade ALL THAT APPLY.	<input type="radio"/> Cloth	<input type="radio"/> N	<input type="radio"/> Blinds	<input type="radio"/> Blinds	<input type="radio"/> Cloth	<input type="radio"/> N	<input type="radio"/> Blinds	<input type="radio"/> Blinds	<input type="radio"/> Cloth	<input type="radio"/> N	<input type="radio"/> Blinds	<input type="radio"/> Blinds	<input type="radio"/> Cloth	<input type="radio"/> N	<input type="radio"/> Blinds	<input type="radio"/> Blinds	<input type="radio"/> Cloth	<input type="radio"/> N	<input type="radio"/> Blinds	<input type="radio"/> Blinds	<input type="radio"/> Cloth	<input type="radio"/> N	<input type="radio"/> Blinds	<input type="radio"/> Blinds	[]
5. Items moved to collect sample Shade ONE bubble.	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Moved	<input type="radio"/> Moved	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Moved	<input type="radio"/> Moved	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Moved	<input type="radio"/> Moved	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Moved	<input type="radio"/> Moved	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Moved	<input type="radio"/> Moved	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Moved	<input type="radio"/> Moved	[]
6. Thin Film on Outer Sill Shade ONE bubble.	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Thin-f.	<input type="radio"/> Thin-f.	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Thin-f.	<input type="radio"/> Thin-f.	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Thin-f.	<input type="radio"/> Thin-f.	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Thin-f.	<input type="radio"/> Thin-f.	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Thin-f.	<input type="radio"/> Thin-f.	<input type="radio"/> Yes	<input type="radio"/> N	<input type="radio"/> Thin-f.	<input type="radio"/> Thin-f.	[]
7. Indoor Height from Floor	<input type="radio"/> Ht- ft- in-	[]																							
8. Date Surface Last Cleanned	<input type="radio"/> Cleanned	<input type="radio"/> 1	<input type="radio"/> Day	<input type="radio"/> YR	<input type="radio"/> Cleanned	<input type="radio"/> 1	<input type="radio"/> Day	<input type="radio"/> YR	<input type="radio"/> Cleanned	<input type="radio"/> 1	<input type="radio"/> Day	<input type="radio"/> YR	<input type="radio"/> Cleanned	<input type="radio"/> 1	<input type="radio"/> Day	<input type="radio"/> YR	<input type="radio"/> Cleanned	<input type="radio"/> 1	<input type="radio"/> Day	<input type="radio"/> YR	<input type="radio"/> Cleanned	<input type="radio"/> 1	<input type="radio"/> Day	<input type="radio"/> YR	[]
9. Outdoor sill surface is: Ducts Shade ALL THAT APPLY.	<input type="radio"/> Metal	<input type="radio"/> Other:	<input type="radio"/> N	<input type="radio"/> O. soil	<input type="radio"/> Metal	<input type="radio"/> Other:	<input type="radio"/> N	<input type="radio"/> O. soil	<input type="radio"/> Metal	<input type="radio"/> Other:	<input type="radio"/> N	<input type="radio"/> O. soil	<input type="radio"/> Metal	<input type="radio"/> Other:	<input type="radio"/> N	<input type="radio"/> O. soil	<input type="radio"/> Metal	<input type="radio"/> Other:	<input type="radio"/> N	<input type="radio"/> O. soil	<input type="radio"/> Metal	<input type="radio"/> Other:	<input type="radio"/> N	<input type="radio"/> O. soil	[]
COMMENTS	<p>Comments: _____</p>																								
Pagelink QC: In:	<input type="radio"/> Data Use Only:	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8	<input type="radio"/> 9	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	<input type="radio"/> I	<input type="radio"/> J	<input type="radio"/> K	<input type="radio"/> L	QC or Tech ID Tech ID	

Metals Blank ID#: 8 1 or N/A []	M-bk.com
Pesticides Blank ID#: 8 3 or N/A []	P-bk.com
Pesticides Spike ID#: 8 3 or N/A []	P-spike.com
25 microliter Volume []	µl Com.
Comments: _____	Surface Sampling

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Surface Sampling

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Appendix P: Surface Sampling (Dictionary)

Q HHID 1 1 A6
Q HHIDFS 1 7 A1
Q Evntdate 1 8 A8
Q Visit 1 16 I1
Q Itemnum 1 17 A3
Q Stage 1 20 A1
T Stage #
Q Collapse 1 21 I2
T Collapsed?
Y 1 "Y"
Y 2 "N"
Y 8 "8"
P Stage
L X ((Stage = 1 or Stage = 4 or Stage = 8) and Collapse = 8))
L X ((Stage = 2 or Stage = 3) and (Collapse = 1 or Collapse = 2))
Q TechID 1 23 A2
T Tech ID
Q Metlwipe 1 25 A7
T Metals Wipe ID#
Y "81 " "Default Value"
Q Pestwipe 1 32 A7
T Pesticides Wipe ID#
Y "83 " "Default Value"
Q Sillfilm 1 39 A7
T Sill Thin Film ID#
Y "89 " "Default Value"
Q Study 1 46 I2
T Study
Y 01 "NHEXAS"
Y 02 "Border"
Y 03 "_____"
Y 04 "_____"
Y 05 "_____"

Q Loc_1 1 48 I2
T Loc. Code - Wipe #1

Q Lgth_cm1 1 50 A5
T Wipe Area: cm (length) - Wipe #1
Y "-8" "Default Value"
P Loc_1
L X (Loc_1 = 88 and Lgth_cm1 = "-8")
L X (Lgth_cm1 = "-8" and Loc_1 = 88)

Q Wdth_cm1 1 55 A5
T Wipe Area: cm (width) - Wipe #1
Y "-8" "Default Value"
P Loc_1
L X (Loc_1 = 88 and Wdth_cm1 = "-8")
L X (Wdth_cm1 = "-8" and Loc_1 = 88)

Q Type_1 1 60 A1
T Type - Wipe #1
P Loc_1
L X (Loc_1 = 88 and Type_1 = "8")
L X (Type_1 = "8" and Loc_1 = 88)

Q Psy_id1 1 61 I3
T Psy/Hyg ID# - Wipe #1
P Loc_1
L X (Loc_1 = 88 and Psy_id1 = 888)
L X (Psy_id1 = 888 and Loc_1 = 88)

Q Temp_1 1 64 I3
T Temperature - Wipe #1
P Loc_1
L X (Loc_1 = 88 and Temp_1 = "8")
L X (Temp_1 = "8" and Loc_1 = 88)

Q T_units1 1 67 A2
T Temperature: units - Wipe #1
Y "1" "C"
Y "2" "F"
Y "88" "Non-Applicable"
P Loc_1
L X (Loc_1 = 88 and T_units1 = "8")
L X (T_units1 = "8" and Loc_1 = 88)

Q Rh_1 1 69 I3
T %RH - Wipe #1
Y -8 "Default Value"

P Loc_1
L X (Loc_1 = 88 and Rh_1 = "8")
L X (Rh_1 = "8" and Loc_1 = 88)

Q Loc_2 1 72 I2
T Loc. Code - Wipe #2
P Loc_1
L X (Loc_1 = 88 and Loc_2 = 88)

Q Lgth_cm2 1 74 A5
T Wipe Area: cm (length) - Wipe #2
Y "-8" "Default Value"
P Loc_2
L X (Loc_2 = 88 and Lgth_cm2 = "-8 ")
L X (Lgth_cm2 = "-8 " and Loc_2 = 88)

Q Wdth_cm2 1 79 A5
T Wipe Area: cm (width) - Wipe #2
Y "-8" "Default Value"
P Loc_2
L X (Loc_2 = 88 and Wdth_cm2 = "-8 ")
L X (Wdth_cm2 = "-8 " and Loc_2 = 88)

Q Type_2 1 84 A1
T Type - Wipe #2
P Loc_2
L X (Loc_2 = 88 and Type_2 = "8")
L X (Type_2 = "8" and Loc_2 = 88)

Q Psy_id2 1 85 I3
T Psy/Hyg ID# - Wipe #2
P Loc_2
L X (Loc_2 = 88 and Psy_id2 = 888)
L X (Psy_id2 = 888 and Loc_2 = 88)

Q Temp_2 1 88 I3
T Temperature - Wipe #2
P Loc_2
L X (Loc_2 = 88 and Temp_2 = "8")
L X (Temp_2 = "8" and Loc_2 = 88)

Q T_units2 1 91 A2
T Temperature: units - Wipe #2
Y "1" "C"
Y "2" "F"
P Loc_2
L X (Loc_2 = 88 and T_units2 = "8")
L X (T_units2 = "8" and Loc_2 = 88)

Q Rh_2 1 93 I3
T %RH - Wipe #2
Y -8 "Default Value"
P Loc_2
L X (Loc_2 = 88 and Rh_2 = "8")
L X (Rh_2 = "8" and Loc_2 = 88)

Q Loc_3 1 96 I2
T Loc. Code - Wipe #3
P Loc_2
L X (Loc_2 = 88 and Loc_3 = 88)

Q Lgth_cm3 1 98 A5
T Wipe Area: cm (length) - Wipe #3
Y "-8 " "Default Value"
P Loc_3
L X (Loc_3 = 88 and Lgth_cm3 = "-8 ")
L X (Lgth_cm3 = "-8 " and Loc_3 = 88)

Q Wdth_cm3 1 103 A5
T Wipe Area: cm (width) - Wipe #3
Y "-8 " "Default Value"
P Loc_3
L X (Loc_3 = 88 and Wdth_cm3 = "-8 ")
L X (Wdth_cm3 = "-8 " and Loc_3 = 88)

Q Type_3 1 108 A1
T Type - Wipe #3
P Loc_3
L X (Loc_3 = 88 and Type_3 = "8")
L X (Type_3 = "8" and Loc_3 = 88)

Q Psy_id3 1 109 I3
T Psy/Hyg ID# - Wipe #3
P Loc_3
L X (Loc_3 = 88 and Psy_id3 = 888)
L X (Psy_id3 = 888 and Loc_3 = 88)

Q Temp_3 1 112 I3
T Temperature - Wipe #3
P Loc_3
L X (Loc_3 = 88 and Temp_3 = "8")
L X (Temp_3 = "8" and Loc_3 = 88)

Q T_units3 1 115 A2
T Temperature: units - Wipe #3
Y "1 " "C"

Y "2" "F"
P Loc_3
L X (Loc_3 = 88 and T_units3 = "8")
L X (T_units3 = "8" and Loc_3 = 88)

Q Rh_3 1 117 I3
T %RH - Wipe #3
Y -8 "Default Value"
P Loc_3
L X (Loc_3 = 88 and Rh_3 = "8")
L X (Rh_3 = "8" and Loc_3 = 88)

Q Loc_4 1 120 I2
T Loc. Code - Wipe #4
P Loc_3
L X (Loc_3 = 88 and Loc_4 = 88)

Q Lgth_cm4 1 122 A5
T Wipe Area: cm (length) - Wipe #4
Y "-8" "Default Value"
P Loc_4
L X (Loc_4 = 88 and Lgth_cm4 = "-8")
L X (Lgth_cm4 = "-8" and Loc_4 = 88)

Q Wdth_cm4 1 127 A5
T Wipe Area: cm (width) - Wipe #4
Y "-8" "Default Value"
P Loc_4
L X (Loc_4 = 88 and Wdth_cm4 = "-8")
L X (Wdth_cm4 = "-8" and Loc_4 = 88)

Q Type_4 1 132 A1
T Type - Wipe #4
P Loc_4
L X (Loc_4 = 88 and Type_4 = "8")
L X (Type_4 = "8" and Loc_4 = 88)

Q Psy_id4 1 133 I3
T Psy/Hyg ID# - Wipe #4
P Loc_4
L X (Loc_4 = 88 and Psy_id4 = 888)
L X (Psy_id4 = 888 and Loc_4 = 88)

Q Temp_4 1 136 I3
T Temperature - Wipe #4
P Loc_4
L X (Loc_4 = 88 and Temp_4 = "8")
L X (Temp_4 = "8" and Loc_4 = 88)

Q T_units4 1 139 A2
T Temperature: units - Wipe #4
Y "1" "C"
Y "2" "F"
P Loc_4
L X (Loc_4 = 88 and T_units4 = "8")
L X (T_units4 = "8" and Loc_4 = 88)

Q Rh_4 1 141 I3
T %RH - Wipe #4
Y -8 "Default Value"
P Loc_4
L X (Loc_4 = 88 and Rh_4 = "8")
L X (Rh_4 = "8" and Loc_4 = 88)

Q Tfilm_1 1 144 I2
T Thin film sample taken as composite from: Loc. Code (location 1)

Q Tfilm_2 1 146 I2
T Thin film sample taken as composite from: Loc. Code (location 2)

Q Outfilm 1 148 I7
T Outdoor Special Thin Film ID#

Q Formstat 1 155 I2
T Form Status:
Y 01 "Cmp"
Y 02 "N Cmp"
Y 03 "P Cmp"
Y 04 "Re-col"
Y 05 "Ref"
Y 07 "Dest"
Y 08 "N/A"
Y 09 "Miss"

Q QCBY 1 157 I2
T QC: Tech ID

Q QCDATE 1 159 A8
T QC: Date

Q QA BY 1 167 I2
T QA: Tech ID

Q QADATE 1 169 A8
T QA: Date

Q DEBY 1 177 I2
T DE: Tech ID

Q DEDATE 1 179 A8
T DE: Date

Q DPBATCH 1 187 A3
T DP Batch

Q QXV 1 190 A5
T QXV

Q Metlblk 1 195 I7
T Metals Blank ID#

Q Pestblk 1 202 I7
T Pesticides Black ID#

Q M_blkcom 1 209 I2
T Met. Blk. Com.

Q P_blkcom 1 211 I2
T Pest. Blk. Com.

Q Pstspike 1 213 I7
T Pesticides Spike ID#

Q Spikecom 1 220 I2
T Pest. Spike Com.

Q Faces_1 1 222 A3
T Window Faces: Wipe #1

Q Opens_1 1 225 I1
T Window Features: Window Opens: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Opens_1 = 2)

Q Metlat_1 1 226 I1
T Window Features: Metal Latches: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Metlat_1 = 2)

Q Paintd_1 1 227 I1
T Window Features: Sill is painted: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Paintd_1 = 2)

Q Loospt_1 1 228 I1
T Window Features: Loose paint chips: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Loospt_1 = 2)

Q Fea_nal 1 229 I1
T Window Features: N: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Fea_nal = 2)

Q Fea_mis1 1 230 I1
T Window Features: M: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Fea_mis1 = 2)

Q Silloth1 1 231 I2
T Surface Area Sampled is: O. Sill: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Silloth1 = 88)

Q Metal_1 1 233 I1
T Surface Area Sampled is: Metal: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Metal_1 = 2)

Q Wooden_1 1 234 I1
T Surface Area Sampled is: Wooden: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Wooden_1 = 2)

Q Cement_1 1 235 I1
T Surface Area Sampled is: Cement: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Cement_1 = 2)

Q Osrtype1 1 236 I1
T Surface Area Sampled is: Other: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Osrtype1 = 2)

Q Styp_nal 1 237 I1
T Surface Area Sampled is: N: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Styp_nal = 2)

Q Styp_ms1 1 238 I1
T Surface Area Sampled is: M: Wipe #1
P Faces_1

L X (Faces_1 = "N " and Styp_ms1 = 2)

Q Blndo1 1 239 I2
T Type of Blinds: O Blind: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Blndo1 = 88)

Q Cloth_1 1 241 I1
T Type of Blinds: Cloth: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Cloth_1 = 2)

Q Venetn_1 1 242 I1
T Type of Blinds: Venitian: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Venetn_1 = 2)

Q Oblind_1 1 243 I1
T Type of Blinds: Other: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Oblind_1 = 2)

Q Obld_nal 1 244 I1
T Type of Blinds: N: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Obld_nal = 2)

Q Obld_ms1 1 245 I1
T Type of Blinds: M: Wipe #1
P Faces_1
L X (Faces_1 = "N " and Obld_ms1 = 2)

Q Moved_1 1 246 I3
T Items moved to collect sample: Wipe #1
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_1
L X (Faces_1 = "N " and Moved_1 = 088)

Q Thinf_1 1 249 I3
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_1
L X (Faces_1 = "N " and Thinf_1 = 088)

Q Ht_ft1 1 252 I2

T Indoor Height from floor (Feet): Wipe #1

Y -8 "Default Value"

P Faces_1

L X (Faces_1 = "N " and Ht_ft1 = 88)

Q Ht_inch1 1 254 I2

T Indoor Height from floor (Inches): Wipe #1

Y -8 "Default Value"

P Faces_1

L X (Faces_1 = "N " and Ht_inch1 = 88)

Q Cleaned1 1 256 A8

T Date Surface Last Cleaned: Wipe #1

Y "88/88/88" "Default Value"

P Faces_1

L X (Faces_1 = "N " and Cleaned1 = "88/88/88")

Q Com_1 1 264 I2

T Comments: Wipe #1

P Faces_1

L X (Faces_1 = "N " and Com_1 = 88)

Q Faces_2 1 266 A3

T Window Faces: Wipe #2

Q Opens_2 1 269 I1

T Window Features: Window Opens: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Opens_2 = 2)

Q Metlat_2 1 270 I1

T Window Features: Metal Latches: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Metlat_2 = 2)

Q Paintd_2 1 271 I1

T Window Features: Sill is painted: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Paintd_2 = 2)

Q Loospt_2 1 272 I1

T Window Features: Loose paint chips: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Loospt_2 = 2)

Q Fea_na2 1 273 I1

T Window Features: N: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Fea_na2 = 2)

Q Fea_mis2 1 274 I1

T Window Features: M: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Fea_mis2 = 2)

Q Silloth2 1 275 I2

T Surface Area Sampled is: O. Sill: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Silloth2 = 88)

Q Metal_2 1 277 I1

T Surface Area Sampled is: Metal: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Metal_2 = 2)

Q Wooden_2 1 278 I1

T Surface Area Sampled is: Wooden: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Wooden_2 = 2)

Q Cement_2 1 279 I1

T Surface Area Sampled is: Cement: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Cement_2 = 2)

Q Osrtype2 1 280 I1

T Surface Area Sampled is: Other: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Osrtype2 = 2)

Q Styp_na2 1 281 I1

T Surface Area Sampled is: N: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Styp_na2 = 2)

Q Styp_ms2 1 282 I1

T Surface Area Sampled is: M: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Styp_ms2 = 2)

Q Blndoth2 1 283 I2

T Type of Blinds: O Blind: Wipe #2

P Faces_2

L X (Faces_2 = "N " and Blndoth2 = 88)

Q Cloth_2 1 285 I1
T Type of Blinds: Cloth: Wipe #2
P Faces_2
L X (Faces_2 = "N " and Cloth_2 = 2)

Q Venetn_2 1 286 I1
T Type of Blinds: Venitian: Wipe #2
P Faces_2
L X (Faces_2 = "N " and Venetn_2 = 2)

Q Oblind_2 1 287 I1
T Type of Blinds: Other: Wipe #2
P Faces_2
L X (Faces_2 = "N " and Oblind_2 = 2)

Q Obld_na2 1 288 I1
T Type of Blinds: N: Wipe #2
P Faces_2
L X (Faces_2 = "N " and Obld_na2 = 2)

Q Obld_ms2 1 289 I1
T Type of Blinds: M: Wipe #2
P Faces_2
L X (Faces_2 = "N " and Obld_ms2 = 2)

Q Moved_2 1 290 I3
T Items moved to collect sample: Wipe #2
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_2
L X (Faces_2 = "N " and Moved_2 = 088)

Q Thinf_2 1 293 I3
T Thin Film on Outer Sill: Wipe #2
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_2
L X (Faces_2 = "N " and Thinf_2 = 088)

Q Ht_ft2 1 296 I2
T Indoor Height from floor (Feet): Wipe #2
Y -8 "Default Value"
P Faces_2

L X (Faces_2 = "N " and Ht_ft2 = 88)

Q Ht_inch2 1 298 I2
T Indoor Height from floor (Inches): Wipe #2
Y -8 "Default Value"
P Faces_2
L X (Faces_2 = "N " and Ht_inch2 = 88)

Q Cleaned2 1 300 A8
T Date Surface Last Cleaned: Wipe #2
Y "88/88/88" "Default Value"
P Faces_2
L X (Faces_2 = "N " and Cleaned2 = "88/88/88")

Q Com_2 1 308 I2
T Comments: Wipe #2
P Faces_2
L X (Faces_2 = "N " and Com_2 = 88)

Q Faces_3 1 310 A3
T Window Faces: Wipe #3

Q Opens_3 1 313 I1
T Window Features: Window Opens: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Opens_3 = 2)

Q Metlat_3 1 314 I1
T Window Features: Metal Latches: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Metlat_3 = 2)

Q Paintd_3 1 315 I1
T Window Features: Sill is painted: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Paintd_3 = 2)

Q Loospt_3 1 316 I1
T Window Features: Loose paint chips: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Loospt_3 = 2)

Q Fea_na3 1 317 I1
T Window Features: N: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Fea_na3 = 2)

Q Fea_mis3 1 318 I1

T Window Features: M: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Fea_mis3 = 2)

Q Silloth3 1 319 I2

T Surface Area Sampled is: O. Sill: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Silloth3 = 88)

Q Metal_3 1 321 I1

T Surface Area Sampled is: Metal: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Metal_3 = 2)

Q Wooden_3 1 322 I1

T Surface Area Sampled is: Wooden: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Wooden_3 = 2)

Q Cement_3 1 323 I1

T Surface Area Sampled is: Cement: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Cement_3 = 2)

Q Osrtype3 1 324 I1

T Surface Area Sampled is: Other: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Osrtype3 = 2)

Q Styp_na3 1 325 I1

T Surface Area Sampled is: N: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Styp_na3 = 2)

Q Styp_ms3 1 326 I1

T Surface Area Sampled is: M: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Styp_ms3 = 2)

Q Blndoth3 1 327 I2

T Type of Blinds: O Blind: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Blndoth3 = 88)

Q Cloth_3 1 329 I1

T Type of Blinds: Cloth: Wipe #3

P Faces_3

L X (Faces_3 = "N " and Cloth_3 = 2)

Q Venetn_3 1 330 I1
T Type of Blinds: Venitian: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Venetn_3 = 2)

Q Oblind_3 1 331 I1
T Type of Blinds: Other: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Oblind_3 = 2)

Q Obld_na3 1 332 I1
T Type of Blinds: N: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Obld_na3 = 2)

Q Obld_ms3 1 333 I1
T Type of Blinds: M: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Obld_ms3 = 2)

Q Moved_3 1 334 I3
T Items moved to collect sample: Wipe #3
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_3
L X (Faces_3 = "N " and Moved_3 = 088)

Q Thinf_3 1 337 I3
T Thin Film on Outer Sill: Wipe #3
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_3
L X (Faces_3 = "N " and Thinf_3 = 088)

Q Ht_ft3 1 340 I2
T Indoor Height from floor (Feet): Wipe #3
Y -8 "Default Value"
P Faces_3
L X (Faces_3 = "N " and Ht_ft3 = 88)

Q Ht_inch3 1 342 I2
T Indoor Height from floor (Inches): Wipe #3
Y -8 "Default Value"

P Faces_3
L X (Faces_3 = "N " and Ht_inch3 = 88)

Q Cleaned3 1 344 A8
T Date Surface Last Cleaned: Wipe #3
Y "88/88/88" "Default Value"
P Faces_3
L X (Faces_3 = "N " and Cleaned3 = "88/88/88")

Q Com_3 1 352 I2
T Comments: Wipe #3
P Faces_3
L X (Faces_3 = "N " and Com_3 = 88)

Q Faces_4 1 354 A3
T Window Faces: Wipe #4

Q Opens_4 1 357 I1
T Window Features: Window Opens: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Opens_4 = 2)

Q Metlat_4 1 358 I1
T Window Features: Metal Latches: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Metlat_4 = 2)

Q Paintd_4 1 359 I1
T Window Features: Sill is painted: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Paintd_4 = 2)

Q Loospt_4 1 360 I1
T Window Features: Loose paint chips: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Loospt_4 = 2)

Q Fea_na4 1 361 I1
T Window Features: N: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Fea_na4 = 2)

Q Fea_mis4 1 362 I1
T Window Features: M: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Fea_mis4 = 2)

Q Silloth4 1 363 I2

T Surface Area Sampled is: O. Sill: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Silloth4 = 88)

Q Metal_4 1 365 I1

T Surface Area Sampled is: Metal: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Metal_4 = 2)

Q Wooden_4 1 366 I1

T Surface Area Sampled is: Wooden: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Wooden_4 = 2)

Q Cement_4 1 367 I1

T Surface Area Sampled is: Cement: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Cement_4 = 2)

Q Osrtype4 1 368 I1

T Surface Area Sampled is: Other: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Osrtype4 = 2)

Q Styp_na4 1 369 I1

T Surface Area Sampled is: N: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Styp_na4 = 2)

Q Styp_ms4 1 370 I1

T Surface Area Sampled is: M: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Styp_ms4 = 2)

Q Blndoth4 1 371 I2

T Type of Blinds: O Blind: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Blndoth4 = 88)

Q Cloth_4 1 373 I1

T Type of Blinds: Cloth: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Cloth_4 = 2)

Q Venetn_4 1 374 I1

T Type of Blinds: Venitian: Wipe #4

P Faces_4

L X (Faces_4 = "N " and Venetn_4 = 2)

Q Oblind_4 1 375 I1
T Type of Blinds: Other: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Oblind_4 = 2)

Q Obld_na4 1 376 I1
T Type of Blinds: N: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Obld_na4 = 2)

Q Obld_ms4 1 377 I1
T Type of Blinds: M: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Obld_ms4 = 2)

Q Moved_4 1 378 I3
T Items moved to collect sample: Wipe #4
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_4
L X (Faces_4 = "N " and Moved_4 = 088)

Q Thinf_4 1 381 I3
T Thin Film on Outer Sill: Wipe #4
Y 001 "Yes"
Y 002 "No"
Y 088 "N"
Y 099 "M"
P Faces_4
L X (Faces_4 = "N " and Thinf_4 = 088)

Q Ht_ft4 1 384 I2
T Indoor Height from floor (Feet): Wipe #4
Y -8 "Default Value"
P Faces_4
L X (Faces_4 = "N " and Ht_ft4 = 88)

Q Ht_inch4 1 386 I2
T Indoor Height from floor (Inches): Wipe #4
Y -8 "Default Value"
P Faces_4
L X (Faces_4 = "N " and Ht_inch4 = 88)

Q Cleaned4 1 388 A8
T Date Surface Last Cleaned: Wipe #4

Y "88/88/88" "Default Value"
P Faces_4
L X (Faces_4 = "N " and Cleaned4 = "88/88/88")

Q Com_4 1 396 I2
T Comments: Wipe #4
P Faces_4
L X (Faces_4 = "N " and Com_4 = 88)

Q Outmetal 1 398 I1
T Outdoor sill surface is: Metal

Q Out_wood 1 399 I1
T Outdoor sill surface is: Wooden

Q Out_cemt 1 400 I1
T Outdoor sill surface is: Cement

Q Outpaint 1 401 I1
T Outdoor sill surface is: Painted

Q Out_oth 1 402 I1
T Outdoor sill surface is: Other

Q Out_na 1 403 I1
T Outdoor sill surface is: N

Q Out_mis 1 404 I1
T Outdoor sill surface is: M

Q Osilloth 1 405 I2
T Outdoor sill surface is: O. Sill

Q Areasoil 1 407 I1
T Outdoor area around the sill has: Soil

Q Area_veg 1 408 I1
T Outdoor area around the sill has: Vegetation

Q Area_cem 1 409 I1
T Outdoor area around the sill has: Cement

Q Area_asp 1 410 I1
T Outdoor area around the sill has: Asphalt

Q Area_oth 1 411 I1
T Outdoor area around the sill has: Other

Q Area_na 1 412 I1
T Outdoor area around the sill has: N

Q Area_mis 1 413 I1
T Outdoor area around the sill has: M

Q Oareaoth 1 414 I2
T Outdoor area around the sill has: O. Area

Q Qctechid 1 416 I2
T QC Tech ID

Q Pagelink 1 418 A59

Y "0	" "0"
Y "1	" "1"
Y "2	" "2"
Y "3	" "3"
Y "4	" "4"
Y "5	" "5"
Y "6	" "6"
Y "7	" "7"
Y "8	" "8"
Y "9	" "9"

Q Form_Id 1 477 I5

Q Verify_Wks 1 482 I5

Q Remote_Uid 1 487 I5

Q Remote_Fax 1 492 A29

Q Remote_Bid 1 521 I5

Q Remote_Cmp 1 526 A29

Q Remote_Phn 1 555 A29

Q CSID 1 584 A29