The Arizona Border Study

An Extension of the
Arizona National Human Exposure Assessment Survey (NHEXAS)Study
Sponsored by the Environmental Health Workgroup of the Border XXI Program

Quality Systems and Implementation Plan
for Human Exposure Assessment

The University of Arizona
Tucson, Arizona 85721

Cooperative Agreement CR 824719

Standard Operating Procedure   **SOP-UA-D-49.0**

Title: Cleaning: Border Supplement

Source: The University of Arizona

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

Title:	Cleaning: Border Supplement

Document No. UA-D-49.0	APPROVALS

☒ Full SOP ☐ Working SOP #pages 5	On Site Principal Investigator:

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	1	2	3	4	5	6

Form TP-2

Cleaning: Border Supplement

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 Border Supplement. It applies to electronic data corresponding to the Border Supplement that was scanned and verified by the Data Staff for NHEXAS Arizona, the Border Study, or other Health and the 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, or other Health and the 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 Border Supplement is given in Appendix A. 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 Dictionary for the Border Supplement has not been written. Once it is completed it will be added in Appendix B. This dictionary will define the file structure for the Border Supplement, as well as the logic and range checks that will be performed on each field. For further reference, see SOP# UA-D-4.X.

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 Border Supplement 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

    I. Data Technicians

        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 "3" for Questionnaires.
                b. The *MDM* will then prompt the user for a specific questionnaire. The user will then enter "9" for Follow Up Supplement.

            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. The user will select the <u>Clean existing batch</u> 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 Border Supplement.

    7.2.1 There are not yet any unique steps for cleaning the Border Supplement because it has not been cleaned. Once it is processed the unique steps will be added here.

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/qx/fsupp/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/fsupp/dqx. 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: Border Supplement (6 pages)
    Appendix B: Border Supplement Dictionary (21 pages)

Appendix A: Border Supplement

HHIDF) LrN

HHID HHID	F.S.	IRN #

FOLLOW UP SUPPLEMENT
Arizona Border and Children's Pesticide Studies

FIRST Name (ONLY): *Fname*

Date of Completion: *Evnt date*

/ /
MO DAY YR

INSTRUCTIONS

• Please use the **black, felt tip pen** provided in the notebook when you complete this questionnaire.

• Please follow the special guidelines typed in *bold italics* . They tell you to either *Continue* to the question below, or to *GO TO* a given question.

• Please answer questions printed on a white background only. Shaded areas are for office use only.

• **Multiple Choice Questions**: Please fill in the appropriate bubble(s) (○) that appear to the left of each response.

For example: How old is the puppy? *Fill in ONE bubble.* ○ 1 week ● 2 weeks ○ 3 weeks

Please shade bubbles like this: ● and *not* like this: ✗ ✓

• **Open Ended Questions**: Please write your answer on the line(s) or in the box(es) provided. Please write your numbers in the boxes using a block style without touching the sides of the boxes.

For example: 0 1 2 3 4 5 6 7 8 9

For example: How old is the puppy? .... 2 week(s)

• **If You Make a Mistake**: For multiple choice, cross out the incorrect answer(s). For open-ended questions, cross out the incorrect value(s) and write the correct value(s) above or beside the boxes.

For example: How old is the puppy? *Fill in ONE bubble.* ✗ 1 week ● 2 weeks ○ 3 weeks

For example: How old is the puppy? .... 1 4 / 5 week(s)

• If you wish to not answer a question, then please draw a line through it, *but not through the answer space*.

For example: How-old-is-the-puppy? .... week(s)

All data gathered in this questionnaire is kept strictly confidential. *Thank you for your time and support!*

63022

Study Participants: Please begin on page 3 (next page).

PAGE 2
Follow Up Supplement

DESIGNATED PARTICIPANT

OFFICE USE ONLY

If the participant is LESS THAN 10 YEARS OLD, what is the first name of the individual who is providing the answers for the designated respondent?

FIRST Name (ONLY):

GFName

□ QC
□ X's.R
□ Y's.N
□ Z's.M

IRN #:

G_IRN

□ QC
□ -5.R
□ -8.N
□ -9.M

What is the relationship of this individual to the person for whom the responses are provided? *Fill in ONE bubble.*

○ 1. Self
○ 2. Guardian   *G_relat*
○ 3. Other (Specify: _____)

○ 55.R   O Relat. Code
○ 88.N
○ 99.M

G_relatc

Comments: _____

_____

_____

_____

_____

_____

_____

_____

Chain of Custody initiated _____   Consigned to packet on [ ]: ___/___/___   Box UA-G-4-2.0

63022

HHID   FS   IRN

1. How often do you cross the border between Mexico and the United States? *Read choices and fill in ONE bubble.*

	OFFICE USE ONLY

	R	N	M
	○ 55	○ 88	○ 99

- ○ 1. Never or less than once a year.
- ○ 2. One to several times each year.   *Cross*
- ○ 3. About once per month.
- ○ 4. About once per week.
- ○ 5. More than once per week.

2. Do you use any of the following items from Mexico? *Fill in the first circle for yes or the second circle for no.*

Quest_2

Question #2:	R	N	M
	○	○	○

Chemicals:

	YES	NO	N	M
Gasoline	○	○.	○	○
Diesel Fuel	○	○	○	○
Indoor Paint	○	○	○	○
Outdoor Paint	○	○	○	○
Indoor Pesticides	○	○	○	○
Outdoor Pesticdes	○	○	○	○

Kitchen items:

	YES	NO	N	M
Enamelware pots and pans	○	○	○	○
Enamelware dishes	○	○	○	○
Cups/Glasses	○	○	○	○
Silverware	○	○	○	○
Painted Ceramics	○	○	○	○
Mortar & Pestle	○	○	○	○
Tortilla Press	○	○	○	○
Lime Press	○	○	○	○
Cooking Utensils	○	○	○	○

Foods:

	YES	NO	N	M
Coffee	○	○	○	○
Flour	○	○	○	○
Sugar	○	○	○	○
Canned goods	○	○	○	○
Meat	○	○	○	○
Fish	○	○	○	○
Beans	○	○	○	○
Tortillas	○	○	○	○
Fresh Friut	○	○	○	○
Fresh Vegetables	○	○	○	○

(left margin handwritten labels: Gasoline, Diesel, In-Paint, Out Paint, In-Pest, Out.Pest, Pots, Dishes, Cups, Silver, Ceramics, Mortar, T-press, Lime, Utensil, Coffee, Flour, Sugar, Canned, Meat, Fish, Beans, Tortilla, Fruit, Vegetable)

Cosmetics/Makeup:

		YES	NO	N	M
Makeup1	(Name)	○	○	○	○
Makeup2	(Name)	○	○	○	○

Code
Cos.cod

Cos.cod2

Soap/Shampoo/Face Cream:

		YES	NO	N	M
Soap1	(Name)	○	○	○	○
Soap2	(Name)	○	○	○	○

Sp-code1 Code

Sp-code2

Medicines:

		YES	NO	N	M
Med1	(Name)	○	○	○	○
Med-2	(Name)	○	○	○	○

Md-code1 Code

Md-code2

Herbal Remedies:

		YES	NO	N	M
Herbal-1	(Name)	○	○	○	○
Herbal-2	(Name)	○	○	○	○

Hb-code1 Code

Hb-code2

Foods (Cont.):

		YES	NO	N	M
Spices	Spices	○	○	○	○

Others (List)

		YES	NO	N	M
O.food1	(Name)	○	○	○	○
O-food2	(Name)	○	○	○	○
O-food3	(Name)	○	○	○	○
O-food4	(Name)	○	○	○	○

F-code1 Code

F-code2

F-code3

F-code4

63022

PAGE 4
Follow Up Supplement

| OFFICE USE ONLY |

3a. During the week we sampled, how often did you see smoke or smell something burning outside your home? *Fill in the circle above the correct response.* Smell

○ Never   ○ 1 day   ○ 2 days   ○ 3 days   ○ 4 days   ○ 5 days   ○ 6 days   ○ 7 days

R N M
○ ○ ○

⌐→ *Go to Question #4*

3b. If you saw smoke or smelled burning, where did it come from? *Fill in all that apply.*

○ 1. In your yard. Yard

○ 2. In your neighbor's yard or field (next door or across the street). N-yard

○ 3. Further away. Further

○ 4. Don't Know. DK-Know

R N M
○ ○ ○
Smk.ref Smk.na Smk.mis

4. During what months are agricultural chemicals used in the field closest to your home? *Fill all that apply.*

Chem.no   Chem.dk   Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
○   ○   ○   ○   ○   ○   ○   ○   ○   ○   ○   ○   ○   ○
Not   Don't Know Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Applied

R N M
○ ○ ○
Chem.ref Chem.na Chem.mis

5 During this season:

5a. How close to your home is the nearest application of agricultural chemicals? *Fill in one bubble.*

○ 1. In your yard. P-yard

○ 2. In your neighbor's yard or field (next door or across the street). Pn-yard

○ 3. Further away. P-Furth

○ 4. Pesticides are not applied near my home. ⟶ *Go to Question #5c.* No-pest

○ 5. Don't Know. ⟶ *Go to Question #5c.* P-DK

R N M
○ ○ ○
Pes.Ref Pes-na Pes-mis

5b. How are these agricultural chemicals applied? *Fill in all that apply.* Applied

○ 1. By airplane.

○ 2. By mechanized agricultural spraying equipment on the ground.

○ 3. Hand application by agricultural workers.

○ 4. Other _____ (Specify).

R N M
○ ○ ○

Code:
[|]
Constr.1

63022

HHID: FS: IRN:

| OFFICE USE ONLY |

5c. Are there any fruits or crops grown in the fields by your home?   Grown

    ○ Yes ——→ *Continue Below (5d).*

    ○ No or not applicable ——→ *Go to Question 6a.*

	R	N	M
	○	○	○

5d. List the fruits and crops grown in the field(s) closest to your home during this season?
If you know the names of the pesticides used to treat the crop, please record the name.

□ QC   □ - 88.N
□ - 55.R   □ - 99.M

Crop code | Pest. code

    Crop   Pesticide used to treat the crop.   Crop-1   Pest-1

a. _____   _____

b. _____   _____   Crop-2   Pest-2

c. _____   _____   Crop-3   Pest-3

d. _____   _____   Crop-4   Pest-4

e. _____   _____   Crop-5   Pest-5

5e. How often do you get food directly from the fields? *Fill in one bubble.*

    Directly

    ○ 1. Never.
    ○ 2. 1-3 days per month.
    ○ 3. 1-2 days per week.
    ○ 4. 3-6 days per week.
    ○ 5. Daily.
    ○ 6. Don't know.

	R	N	M
	○	○	○

6a. How long do you stay in this town or location each year? *Write the number of weeks OR months; fill in the circle if you stay all year .*

    [|] weeks, OR   Liv-wk

    [|] months, OR   Lw-mth

    ○   all year   Lw-all

	R	N	M
	○	○	○

6b. Do all the people living in this house live here all year? *Fill in one bubble.*

    Here-all

    ○ 1. Yes ——→ *STOP.*

    ○ 2. No, ——→ *Continue below (6c).*

	R	N	M
	○	○	○

6c. Write the number of people in 6b including yourself that moved.

    [|] people   Peop-mv

Thank you for your participation!

63022

Pesticide Survey

HHID: _____ HHMBS: _____ F.S: _____

Administration Date: ___/___/___ (MO / DAY / YR)

Page: _____

Line	Container	Product Name	Key Ingredients/ Registration Number	Formulation	Storage site	Condition of Container	Last Known Use	Last Known Use	Sample Collected
1				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯
2				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯
3				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯
4				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯
5				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯
6				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯
7				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯
8				1 2 3 / 4 5 / N M	1 2 3 4 / 5 6 7 / N M	1 2 3 / 4 5 / N M	1 2 3 / 4 5 6 / N M		Y N / ◯ ◯

Formulation Codes:
1) Ready to use liquid.
2) Ready to use powder.
3) Liquid concentrate.
4) Dry concentrate.
5) Aerosol spray

Storage Codes:
1) Kitchen
2) Bathroom
3) Basement
4) Attic
5) Utility room
6) Attached garage
7) Attached shop / workshop

Container Codes:
1) Container is closed and outside is clean.
2) Container is closed and outside is soiled.
3) Container is opened.
4) Contents spilled on adjacent surfaces.
5) Mixing container (not original package)

Last known use Codes:
1) Never used.
2) Within the past week.
3) Within the past month.
4) Within the past 6 months.
5) Longer.
6) Dont know.

Comments: _____

Code 1 ☐ Code 2 ☐ Code 3 ☐
Code ☐ Code ☐ Code ☐

51063

Appendix B: Border Supplement Dictionary

K HHID (F6.0) ' ', HHIDFS (A1) ' ', IRN (F2.0) ' ', Evntdt_m (F2.0) ' ', Eventdt_d (F2.0) ' ', Evntdt_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

Q IRN   1   8   I2
T Idividual Identification Number
R (01,10)

Q Fname   1   10   A15
T FIRST Name (Only):

*Q Evntdate   1   25   A8
*T Date of Completion:
* mm/dd/yy

Q Evntdt_m   1   25   I2
T Date of completion: month
R (01,12)

Q Evntdt_d   1   28   I2
T Date of completion: day
R (01,31)

Q Evntdt_y   1   31   I2
T Date of completion: year
R (96,99)

Q Gfname   1   33   A15
T If the participant is LESS THAN 10 YEARS OLD, what is the first name of the individual who is providing the answers for the designated respondent? :FIRST Name (Only)

Q G_IRN   1   48   A2
T If the participant is LESS THAN 10 YEARS OLD, what is the first name of the individ
ual who is providing the answers for the designated respondent? : IRN #
P G_relat (F3.0) ' ', Gfname (A15) ' '
R (01,10)
Y -8 Default Value

Y 88 "N"
T What is the relationship of this individual to the person for whom the responses are provided?

Y 001 Self
Y 002 Guardian
Y 003 Other (Specify: _____
Y 055 R
Y 088 N
Y 099 M
P Gfname (A15) ' ', G_IRN (F2.0) ' '
L X (any(Gfname,"YYYYYYYYYYYYYYY") and G_relat=088) and (G_IRN=-8)
L X not(any(Gfname,"YYYYYYYYYYYYYYY")) and not(any(G_IRN,-8) and
+ F not(any(G_relat,088)))
Y ""D" Value"

T Relation Code
Y -8 Default Value
Y -9 Missing Value
R (01,10)
P Gfname (A15) ' ', G_relat (F3.0) ' '
L X (any(G_relat,001,002,088,099) and G_relato=-8)
L X (G_relat=003) and (range(G_relato,01,20))
L X (G_relat=055 and G_relato=-8)

Y "2   " "Border"
T Form Type
Y 03 Default Value

Q Study   1   57   I3
T study
Y 001   NHEXAS
Y 002   Border
Y 003   _____
Y 004   _____
Y 005   _____

Q Stage   1   71   I1
T Stage #
R (1,4)

Q Collapse   1   72   I2
T Collapsed?
Y 01 Y
Y 02 N
Y 08 8
P Stage (F1.0) ' '
L X (any(Stage,1,4,8) and Collapse = 8)
L X (any(Stage,2,3) and any(Collapse,1,2))

Q Adminmeth   1   74   I2
T Admin. Method
Y 01 Tech

Y 02 Self
Y 03 Guardian
Y 04 Other

Q TechID   1 76 I2
T Tech ID
P Admnmeth (F2.0) ' '
Y -8 Default (Not Applicable)
Y -9 Missing
Y 11
Y 12
Y 13
Y 14
Y 17
Y 21
Y 26
Y 28
Y 30
Y 33
Y 34
Y 36
Y 37
Y 38
Y 39
Y 42
Y 43
Y 44
Y 45
Y 49
L X (any(Admnmeth,002,003,004) and TechID=-8)
L X (Admnmeth=001) and not(any(TechID,-8))

Q Formstat 1   78   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   80   I2
Y 11
Y 12
Y 13
Y 14
Y 17
Y 21

Y 26
Y 28
Y 30
Y 33
Y 34
Y 37
Y 38
Y 39
Y 42
Y 43
Y 44
Y 45
Y 49

*Q QCDATE   1   82   A8
*T QC Date

Q QCDATE_M   1   82   I2
T QC Date: Month
R (01,12)

Q QCDATE_D   1   85   I2
T QC Date: Day
R (01,31)

Q QCDATE_Y   1   88   I2
T QC Date: Year
R (95,99)

Q QABY   1   90   I2
T QA By
Y 11
Y 12
Y 13
Y 14
Y 17
Y 21
Y 26
Y 28
Y 30
Y 33
Y 34
Y 35
Y 37
Y 38
Y 39
Y 42
Y 43
Y 44
Y 45

Y 49 Patricia Lizardi

*Q QADATE   1   92   A8
*T QA Date

Q QADATE_M   1   92   I2
T QA Date: Month
R (01,12)

Q QADATE_D   1   95   I2
T QA Date: Day
R (01,31)

Q QADATE_Y   1   98   I2
T QA Date: Year
R (95,99)

Q DEBY   1   100   I2
T DE By
Y 16
Y 19
Y 32
Y 46
Y 50
Y 55
Y 60

*Q DEDATE   1   102   A8
*T DE Date

Q DEDATE_M   1   102   I2
T DE Date: Month
R (01,12)

Q DEDATE_D   1   105   I2
T DE Date: Day
R (01,31)

Q DEDATE_Y   1   108   I2
T DE Date: Year
R (96,99)

Q DPBATCH   1   110   A3
T DP Batch

Q QXV   1   113   A5
T QVX
Y 'QFSA1' Prefilled value

Q Cross   1   118   I3

T Hoow often do cross the border between Mexico and the United States?
V q1
Y 001
Y 002
Y 003
Y 004
Y 005
Y 055 Refused
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' '
L X (Formstat=01 and any(Cross,001,002,003,004,005,099))
L X (Formstat=03 and any(Cross,001,002,003,004,005,055,099))
L X (any(Formstat=02,05,09) and Cross=088)

Q Quest_2   1   121   I3
T Do you use any of the following items from Mexico?
V q2
Y 005 Refused
Y 008 Not Applicable
Y 009 Missing
P Formstat (F2.0) ' '
L X (Formstat=01 and not(Quest_2,055,088))
L X (Formstat=03 and any(Quest_2,055,099))
L X (any(Formstat,02,05,09) and Quest_2=088)

Q Gasoline   1   124   I3
T Do you use any of the following items from Mexico: Gasoline
V q2gas
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Gasoline=088)
L X (Formstat=01 and any(Gasoline,001,002,099))
L X (Formstat=03 and any(Gasoline,001,002,055,099))
L X (any(Formstat,02,05,09) and Gasoline=088)

Q Diesel   1   127   I3
T Do you use any of the following items from Mexico: Diesel
V q2diesel
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Diesel=088)
L X (Formstat=01 and any(Diesel,001,002,099))
L X (Formstat=03 and any(Diesel ,001,002,055,099))

L X (any(Formstat,02,05,09) and Diesel=088)

Q In_Paint   1   130   I3
T Do you use any of the following items from Mexico: Indoor paint
V q2ipaint
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and In_Paint=088)
L X (Formstat=01 and any(In_Paint,001,002,099))
L X (Formstat=03 and any(In)Paint,001,002,055,099))
L X (any(Formstat,02,05,09) and In_Paint=088)

Q OutPaint   1   133   I3
T Do you use any of the following items from Mexico: Outdoor paint
V q2opaint
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and OutPaint=088)
L X (Formstat=01 and any(OutPaint,001,002,099))
L X (Formstat=03 and any(OutPaint,001,002,055,099))
L X (any(Formstat,02,05,09) and OutPaint=088)

Q In_pest   1   136   I3
T Do you use any of the following items from Mexico: Indoor pesticides
V q2ipest
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and In_pest=088)
L X (Formstat=01 and any(In_pest,001,002,099))
L X (Formstat=03 and any(In_pest,001,002,055,099))
L X (any(Formstat,02,05,09) and In_pest=088)

Q Out_pest   1   139   I3
T Do you use any of the following items from Mexico: Outdoor pesticides
V q2opest
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Out_pest=088)

L X (Formstat=01 and any(Out_pest,001,002,099))
L X (Formstat=03 and any(Out_pest,001,002,055,099))
L X (any(Formstat,02,05,09) and Out_pest=088)

Q Pots   1   142   I3
T Do you use any of the following items from Mexico: Pots and pans
V q2potpan
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Pots=088)
L X (Formstat=01 and any(Pots,001,002,099))
L X (Formstat=03 and any(Pots,001,002,055,099))
L X (any(Formstat,02,05,09) and Pots=088)

Q Dishes   1   145   I3
T Do you use any of the following items from Mexico: Dishes
V q2dish
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Dishes=088)
L X (Formstat=01 and any(Dishes,001,002,099))
L X (Formstat=03 and any(Dishes,001,002,055,099))
L X (any(Formstat,02,05,09) and Dishes=088)

Q Cups   1   148   I3
T Do you use any of the following items from Mexico: Cups/glasses
V q2cup
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Cups=088)
L X (Formstat=01 and any(Cups,001,002,099))
L X (Formstat=03 and any(Cups,001,002,055,099))
L X (any(Formstat,02,05,09) and Cups=088)

Q Silver   1   151   I3
T Do you use any of the following items from Mexico: Silverware
V q2silver
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing

P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Silver=088)
L X (Formstat=01 and any(Silver,001,002,099))
L X (Formstat=03 and any(Silver,001,002,055,099))
L X (any(Formstat,02,05,09) and Silver=088)

Q Ceramics   1   154   I3
T Do you use any of the following items from Mexico: Painted ceramics
V q2cerami
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Ceramics=088)
L X (Formstat=01 and any(Ceramics,001,002,099))
L X (Formstat=03 and any(Ceramics,001,002,055,099))
L X (any(Formstat,02,05,09) and ceramics=088)

Q Mortar   1   157   I3
T Do you use any of the following items from Mexico: Mortar and pestle
V q2mortar
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Mortar=088)
L X (Formstat=01 and any(Mortar,001,002,099))
L X (Formstat=03 and any(Mortar,001,002,055,099))
L X (any(Formstat,02,05,09) and Mortar=088)

Q T_press   1   160   I3
T Do you use any of the following items from Mexico: Tortilla press
V q2tpress
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and T_press=088)
L X (Formstat=01 and any(T_press,001,002,099))
L X (Formstat=03 and any(T_press,001,002,055,099))
L X (any(Formstat,02,05,09) and T_press=088)

Q Lime   1   163   I3
T Do you use any of the following items from Mexico: Lime press
V q2lpress
Y 001 Yes
Y 002 No

Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Lime=088)
L X (Formstat=01 and any(Lime,001,002,099))
L X (Formstat=03 and any(Lime,001,002,055,099))
L X (any(Formstat,02,05,09) and Lime=088)

Q Untensil   1   166   I3
T Do you use any of the following items from Mexico: Utensils
V q2utensi
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Utensil=088)
L X (Formstat=01 and any(Utensil,001,002,099))
L X (Formstat=03 and any(Utensil,001,002,055,099))
L X (any(Formstat,02,05,09) and Utensil=088)

Q Coffee   1   169   I3
T Do you use any of the following items from Mexico: Coffee
V q2coffee
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Coffee=088)
L X (Formstat=01 and any(Coffee,001,002,099))
L X (Formstat=03 and any(Coffee,001,002,055,099))
L X (any(Formstat,02,05,09) and Coffee=088)

Q Flour   1   172   I3
T Do you use any of the following items from Mexico: Flour
V q2flour
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Flour=088)
L X (Formstat=01 and any(Flour,001,002,099))
L X (Formstat=03 and any(Flour,001,002,055,099))
L X (any(Formstat,02,05,09) and Flour=088)

Q Sugar   1   175   I3
T Do you use any of the following items from Mexico: Sugar
V q2sugar

Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Sugar=088)
L X (Formstat=01 and any(Sugar,001,002,099))
L X (Formstat=03 and any(Sugar,001,002,055,099))
L X (any(Formstat,02,05,09) and Sugar=088)

Q Canned   1   178   I3
T Do you use any of the following items from Mexico: Canned goods
V q2goods
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Canned=088)
L X (Formstat=01 and any(Canned,001,002,099))
L X (Formstat=03 and any(Canned,001,002,055,099))
L X (any(Formstat,02,05,09) and Canned=088)

Q Meat   1   181   I3
T Do you use any of the following items from Mexico: Meat
V q2meat
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Meat=088)
L X (Formstat=01 and any(Meat,001,002,099))
L X (Formstat=03 and any(Meat,001,002,055,099))
L X (any(Formstat,02,05,09) and Meat=088)

Q Fish   1   184   I3
T Do you use any of the following items from Mexico: Fish
V q2fish
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Fish=088)
L X (Formstat=01 and any(Fish,001,002,099))
L X (Formstat=03 and any(Fish,001,002,055,099))
L X (any(Formstat,02,05,09) and Fish=088)

Q Beans   1   187   I3

T Do you use any of the following items from Mexico: Beans
V q2beans
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Beans=088)
L X (Formstat=01 and any(Beans,001,002,099))
L X (Formstat=03 and any(Beans,001,002,055,099))
L X (any(Formstat,02,05,09) and Beans=088)

Q Tortilla   1   190   I3
T Do you use any of the following items from Mexico: Tortilla
V q2tortil
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Tortilla=088)
L X (Formstat=01 and any(Tortilla,001,002,099))
L X (Formstat=03 and any(Tortilla,001,002,055,099))
L X (any(Formstat,02,05,09) and Tortilla=088)

Q Fruit   1   193   I3
T Do you use any of the following items from Mexico: Fruit
V q2fruit
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Fruit=088)
L X (Formstat=01 and any(Fruit,001,002,099))
L X (Formstat=03 and any(Fruit,001,002,055,099))
L X (any(Formstat,02,05,09) and Fruit=088)

Q Vegtable   1   196   I3
T Do you use any of the following items from Mexico: Vegetable
V q2veg
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Vegetable=088)
L X (Formstat=01 and any(Vegetable,001,002,099))
L X (Formstat=03 and any(Vegetable,001,002,055,099))
L X (any(Formstat,02,05,09) and Vegetable=088)

Q Spices   1   199   I3
T Do you use any of the following items from Mexico: Spices
V q2spices
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Spices=088)
L X (Formstat=01 and any(Spices,001,002,099))
L X (Formstat=03 and any(Spices,001,002,055,099))
L X (any(Formstat,02,05,09) and Spices=088)

Q Makeup1   1   202   I3
T Do you use any of the following items from Mexico: Cosmetics/Makeup
V q2cos1
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Makeup1=088)
L X (any(Formstat,01,03) and any(Makeup1,001,002,099))
L X (any(Formstat,02,05,09) and Makeup1=088)

Q Cos_cod   1   205   I3
T Do you use any of the following items from Mexico: Cosmetics/Makeup
V q2cos1cd
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P Makeup1 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Makeup1,002,088,099)) and (Cos_cod=-88)
L X (Makeup1=001 and (range(Cos_cod,01,10)))

Q Makeup2   1   208   I3
T Do you use any of the following items from Mexico: Cosmetics/Makeup
V q2cos2
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Makeup2=088)
L X (any(Formstat,01,03) and any(Makeup2,001,002,099))
L X (any(Formstat,02,05,09) and Makeup2=088)

Q Cos_cod2   1   211   I3
T Do you use any of the following items from Mexico: Cosmetics/Makeup
V q2cos2cd
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P Makeup2 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Makeup2,002,088,099)) and (Cos_cod2=-88)
L X (Makeup2=001 and (range(Cos_cod2,01,10)))

Q Soap1   1   214   I3
T Do you use any of the following items from Mexico: Soap
V q2soap1
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Soap1=088)
L X (any(Formstat,01,03) and any(Soap1,001,002,099))
L X (any(Formstat,02,05,09) and Soap1=088)

Q Sp_code1   1   217   I3
T Soap Code
V q2soap1c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P Soap1 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Soap1,002,088,099)) and (Sp_code1=-88)
L X (Soap1=001 and (range(Sp_code1,01,10)))

Q Soap2   1   220   I3
T Do you use any of the following items from Mexico: Soap
V q2soap2
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Soap2=088)
L X (any(Formstat,01,03) and any(Soap2,001,002,099))
L X (any(Formstat,02,05,09) and Soap2=088)

Q Sp_code2   1   223   I3
T Soap Code
V q2soap2c
R (01,20)

Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P Soap2 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Soap2,002,088,099)) and (Sp_code2=-88)
L X (Soap2=001 and (range(Sp_code2,01,10)))

Q Med_1   1   226   I3
T Do you use any of the following items from Mexico: Medicines
V q2med1
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Med_1=088)
L X (any(Formstat,01,03) and any(Med_1,001,002,099))
L X (any(Formstat,02,05,09) and Med_1=088)

Q Md_code1   1   229   I3
Y "Default Value"
T Medicine Code
V q2med1c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P Med_1 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Med_1,002,088,099)) and (Md_code1=-88)
L X (Med_1=001 and (range(Md_code1,01,10)))

Q Med_2   1   232   I3
T Do you use any of the following items from Mexico: Medicines
V q2med2
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Med_2=088)
L X (any(Formstat,01,03) and any(Med_2,001,002,099))
L X (any(Formstat,02,05,09) and Med_2=088)

Q Med_cd2   1   235   I3
Y "Default Value"
T Medicine Code
V q2med2c
R (01,20)
Y -55 Refused
Y -88 Not Applicable

Y -99 Missing
P Med_2 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Med_2,002,088,099)) and (Md_code2=-88)
L X (Med_2=001 and (range(Md_code2,01,10)))

Q Herbal_1   1   238   I3
T Do you use any of the following items from Mexico: Herbs
V q2herb1
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Herbal_1=088)
L X (any(Formstat,01,03) and any(Herbal_1,001,002,099))
L X (any(Formstat,02,05,09) and Herbal_1=088)

Q Hb_code1   1   241   I3
T Herb Code
V q2herb1c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P Herbal_1 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Herbal_1,002,088,099)) and (Hb_code1=-88)
L X (Herbal_1=001 and (range(Hb_code1,01,10)))

Q Herbal_2   1   244   I3
T Do you use any of the following items from Mexico: Herbs
V q2herb2
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and Herbal_2=088)
L X (any(Formstat,01,03) and any(Herbal_2,001,002,099))
L X (any(Formstat,02,05,09) and Herbal_2=088)

Q Hb_code2   1   247   I3
T Herb Code
V q2herb2c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P Soap2 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(Herbal_2,002,088,099)) and (Hb_code2=-88)
L X (Herbal_2=001 and (range(Hb_code2,01,10)))

Q O_food1   1   250   I3
T Do you use any of the following items from Mexico: Other Foods
V q2oth1
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and O_food1 =088)
L X (any(Formstat,01,03) and any(O_food1,001,002,099))
L X (any(Formstat,02,05,09) and O_food1=088)

Q F_code1   1   253   I3
T Food Code
V q2oth1c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P O_food1 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(O_food1,002,088,099)) and (F_code1=-88)
L X (Soap2=001 and (range(Sp_code2,01,10)))

Q O_food2   1   256   I3
T Do you use any of the following items from Mexico: Other Foods
V q2oth2
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and O_food2=088)
L X (any(Formstat,01,03) and any(O_food2,001,002,099))
L X (any(Formstat,02,05,09) and O_food2=088)

Q F_code2   1   259   I3
T Food Code
V q2oth2c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P O_food2 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(O_food2,002,088,099)) and (F_code2=-88)
L X (O_food2=001 and (range(F_code2,01,10)))

Q O_food3   1   262   I3
T Do you use any of the following items from Mexico: Other Foods
V q2oth3

Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and O_food3=088)
L X (any(Formstat,01,03) and any(O_food3,001,002,099))
L X (any(Formstat,02,05,09) and O_food3=088)

Q F_code3   1   265   I3
T Food Code
V q2oth3c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P O_food3 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(O_food3,002,088,099)) and (F_code3=-88)
L X (O_food3=001 and (range(F_code3,01,10)))

Q O_food4   1   268   I3
T Do you use any of the following items from Mexico: Other Foods
V q2oth4
Y 001 Yes
Y 002 No
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) and O_food4=088)
L X (any(Formstat,01,03) and any(O_food4,001,002,099))
L X (any(Formstat,02,05,09) and O_food4=088)

Q F_code4   1   271   I3
T Food Code
V q2oth4c
R (01,20)
Y -55 Refused
Y -88 Not Applicable
Y -99 Missing
P O_food4 (F3.0) ' ', Quest_2 (F3.0) ' '
L X (any(Quest_2,055,088,099) or any(O_food4,002,088,099))and (F_code4=-88)
L X (O_food4=001 and (range(F_code4,01,10)))

Q Smell   1   274   I3
T During the week we sampled your home, how often did you see smoke or smell something burning
outside your home?
V q3a
Y 000 "Never"
Y 001 "1 day"
Y 002 "2 days"

Y 003 "3 days"
Y 004 "4 days"
Y 005 "5 days"
Y 006 "6 days"
Y 007 "7 days"
Y 055 Refused
Y 088 Not Applicable
Y 099 Missing
P Formstat (F3.0) ' '
L X (Formstat=01 and any(Smell,000,001,002,003,004,005,006,007,099))
L X (Formstat=03 and any(Smell,000,001,002,003,004,005,006,007,055,099))
L X (any(Formstat,02,05,09) and Smell=088)

Q Yard   1   277   I1
T If you saw or smelled smoke, where did it come from: In your yard
V q3b1
P Smell (F3.0) ' '
L X (any(Smell,001,002,003,004,005,006,007
Q n_yard   1   278   I1

Q Further   1   279   I1

Q Dk_know   1   280   I1

Q Smk_ref   1   281   I1

Q Smk_na   1   282   I1

Q Smk_mis   1   283   I1

Q Jan   1   284   I1

Q Feb   1   285   I1

Q Mar   1   286   I1

Q Apr   1   287   I1

Q May   1   288   I1

Q Jun   1   289   I1

Q Jul   1   290   I1

Q Aug   1   291   I1

Q Sept   1   292   I1

Q Oct   1   293   I1

Q Nov   1   294   I1

Q Dec   1   295   I1

Q Chem_ref   1   296   I1

Q Chem_na   1   297   I1

Q Chem_mis   1   298   I1

Q Chem_no   1   299   I1

Q Chem_dk   1   300   I1

Q P_Yard   1   301   I1

Q Pn_yard   1   302   I1

Q P_Furth   1   303   I1

Q No_pest   1   304   I1

Q P_Dk   1   305   I1

Q Pes_ref   1   306   I1

Q Pes_na   1   307   I1

Q Pes_mis   1   308   I1

Q Applied   1   309   A58

Q Constr_1   1   367   I2

Q Grown   1   369   A3
Y "1 "   "Yes"
Y "2 "   "No or not applicable"

Q Crop_1   1   372   I3

Q Pest_1   1   375   I3

Q Crop_2   1   378   I3

Q Pest_2   1   381   I3

Q Crop_3   1   384   I3

Q Pest_3   1   387   I3

Q Crop_4   1   390   I3

Q Pest_4   1   393   I3

Q Crop_5   1   396   I3

Q Pest_5   1   399   I3

Q Directly   1   402   I3

Q Liv_wk   1   405   I2

Q Liv_mth   1   407   I2

Q Liv_all   1   409   I3
Y 1 "all year"

Q Here_all   1   412   I3
Y 1 "Yes"
Y 2 "No,"

Q Peop_mv   1   415   I2