

**National Health and Nutrition Examination Survey
Codebook for Data Production (1999-2000)**

**Volatile Organic Compounds (LAB21)
Person Level Data**

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SEQN	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

WTSVOC2Y	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	VOC subsample 2 yr MEC Weight
English Text:	
English Instructions:	
Codes:	Skip To Values:
0= Non-Respondent	
>0= Respondent	

LBXZBZ	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Benzene (ug/cubic meter)
English Text: Benzene (ug/cubic meter)	
English Instructions:	

LBDZBZLC	Target
	B(20 Yrs. to 59 Yrs.)

Hard Edits	SAS Label
	Benzene comment
English Text:	
English Instructions:	
Codes: 0= Result at or above the limit of detection. 1= Result below the limit of detection.	Skip To Values:

LBXZCF	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Chloroform (ug/cubic meter)
English Text: Chloroform (ug/cubic meter)	
English Instructions:	

LBDZCFLC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Chloroform comment
English Text:	
English Instructions:	
Codes: 0= Result at or above the limit of detection. 1= Result below the limit of detection.	Skip To Values:

LBXZEB	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Ethylbenzene (ug/cubic meter)
English Text: Ethylbenzene (ug/cubic meter)	
English Instructions:	

LBDZEBLC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label

	Ethylbenzene comment
English Text:	
English Instructions:	
Codes: 0= Result at or above the limit of detection. 1= Result below the limit of detection.	Skip To Values:

LBXZTE	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Tetrachloroethene (ug/cubic meter)
English Text: Tetrachloroethene (ug/cubic meter)	
English Instructions:	

LBDZTELC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Tetrachloroethene comment
English Text:	
English Instructions:	
Codes: 0= Result at or above the limit of detection. 1= Result below the limit of detection.	Skip To Values:

LBXZTO	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Toluene (ug/cubic meter)
English Text: Toluene (ug/cubic meter)	
English Instructions:	

LBDZTOLC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Toluene comment

English Text:	
English Instructions:	
Codes: 0= Result at or above the limit of detection. 1= Result below the limit of detection.	Skip To Values:

LBXZTI	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Trichloroethene (ug/cubic meter)
English Text: Trichloroethene (ug/cubic meter)	
English Instructions:	

LBDZTILC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Trichloroethene comment
English Text:	
English Instructions:	
Codes: 0= Result at or above the limit of detection. 1= Result below the limit of detection.	Skip To Values:

LBXZOX	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	o-Xylene (ug/cubic meter)
English Text: o-Xylene (ug/cubic meter)	
English Instructions:	

LBDZOXLC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	o-Xylene comment
English Text:	

English Instructions:**Codes:**

0= Result at or above the limit of detection.
 1= Result below the limit of detection.

Skip To Values:

LBXZXY	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	m,p-Xylene (ug/cubic meter)
English Text: M,p-Xylene (ug/cubic meter)	
English Instructions:	

LBDZXYLC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	m,p-Xylene comment
English Text:	
English Instructions:	
Codes:	Skip To Values:
0= Result at or above the limit of detection. 1= Result below the limit of detection.	

LBXZDB	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	1,4-dichlorobenzene (ug/cubic meter)
English Text: 1,4-dichlorobenzene (ug/cubic meter)	
English Instructions:	

LBDZDBLC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	1,4-dichlorobenzene comment
English Text:	
English Instructions:	

Codes:	Skip To Values:
0= Result below the limit of detection.	
1= Result at or above the limit of detection.	

LBXZMB	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	MTBE (ug/cubic meter)
English Text: MTBE (ug/cubic meter)	
English Instructions:	

LBDZMBLC	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	MTBE comment
English Text:	
English Instructions:	
Codes:	Skip To Values:
0= Result at or above the limit of detection.	
1= Result below the limit of detection.	

LBAVOCSD	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	VOC badge sample duration-minutes
English Text: The time (in minutes) between start time of wearing the badge and stop time of wearing the badge.	
English Instructions:	

VTQ015	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Wear the exposure badge at all times?
English Text: Did you wear the exposure monitoring badge at all times since you received the badge?	

English Instructions:**Codes:**

1= Yes

2= No

Skip To Values:

VTQ020	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Hours badge not worn

English Text: Approximately what was the number of hours that you did not wear the badge?

English Instructions:

VTQ030	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Home has an attached garage?

English Text: I would like to ask you a few questions about your home. Does your home have an attached garage?

English Instructions:**Codes:**

1= Yes

2= No

7= Refused

9= Don't know

Skip To Values:

VTQ040	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Home built less than 5 years ago?

English Text: Was your home or building originally built less than 5 years ago?

English Instructions:**Codes:**

1= Yes

2= No

Skip To Values:

7= Refused
9= Don't know

VTQ050	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Description of street where you live
English Text: Which one of the following is the best description of the street that you live on? Is it a...	
English Instructions:	
Codes: 1= Rural or country road 2= Dead-end residential street 3= Through residential street 4= Commercial street 5= Major highway 7= Refused 9= Don't know	Skip To Values:

VTQ060	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Natural gas, or electric kitchen stove
English Text: Does your kitchen stove use natural gas, electricity, or something else?	
English Instructions:	
Codes: 1= Natural gas 2= Electricity 3= Something else 7= Refused 9= Don't know	Skip To Values:

VTQ070	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label

	In the past 6 months, have new carpet
English Text: In the past 6 months, have any new carpets or rugs been placed in your home or your work area at your workplace or school? Please only consider wall-to-wall carpeting or room-sized rugs.	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ080	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Store paints or fuels inside your home?
English Text: Do you store paints or fuels inside your home? Include your basement (and attached garage.)	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ090	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Hours spent indoors at home?
English Text: During the time you used your exposure badge, about how many hours did you spend indoors at home? Include time spent sleeping.	
English Instructions: Now I am going to ask you a few questions about your activities when you used your exposure badge. This covers the time since you received the exposure badge hours ago up until this appointment.	

VTQ100	Target
	B(20 Yrs. to 59 Yrs.)

Hard Edits	SAS Label
	Were any windows open in your home?
English Text: Were any windows open in your home?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ110	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Hours spent indoors at work/school
English Text: About how many hours did you spend indoors at work or at school?	
English Instructions:	

VTQ120	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Hours spent outdoors
English Text: About how many hours did you spend outdoors?	
English Instructions:	

VTQ130	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Pump gas into a car or motor vehicle?
English Text: Did you pump gas into a car or other motor vehicle yourself?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ140	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Time spent at a swimming pool
English Text: Did you spend any time at a swimming pool?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ150	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	In drycleaning shop, drycleaned clothes
English Text: Did you visit a drycleaning shop or wear clothes that had been dry-cleaned within the last week?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ160	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Near a wood-burning fire >= 10 min
English Text: Did you spend 10 or more minutes near a wood-burning fire in a fireplace, wood stove, or outdoors?	
English Instructions:	
Codes: 1= Yes 2= No	Skip To Values:

7= Refused
9= Don't know

VTQ170	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Near a smoking person >= 10 min
English Text: Did you spend 10 or more minutes near a person who was smoking a cigarette, cigar, or pipe?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ180	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Hot shower for five minutes or longer
English Text: Even though you did not use the exposure badge when taking a hot shower, did you take a hot shower for five minutes or longer during this time period?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200A	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Paints
English Text: paints	
English Instructions: During the time you used the exposure badge, did you breathe fumes from or use paint?	

Codes:	Skip To Values:
1= Yes	
2= No	
7= Refused	
9= Don't know	

VTQ200B	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Mothballs, moth crystals, or mothflakes

English Text: During the time you used the exposure badge, did you breathe fumes from or use mothballs, moth crystals, or mothflakes?

English Instructions:

Codes:	Skip To Values:
1= Yes	
2= No	
7= Refused	
9= Don't know	

VTQ200C	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Disinfectant or degreasing cleaners

English Text: During the time you used the exposure badge, did you breathe fumes from or use household disinfectant or degreasing cleaners?

English Instructions:

Codes:	Skip To Values:
1= Yes	
2= No	
7= Refused	
9= Don't know	

VTQ200D	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label

	Furniture polish
English Text: During the time you used the exposure badge, did you breathe fumes from or use furniture polish?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200E	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Hairspray
English Text: During the time you used the exposure badge, did you breathe fumes from or use hairspray?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200F	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Fingernail polish or polish remover
English Text: During the time you used the exposure badge, did you breathe fumes from or use fingernail polish or fingernail polish remover?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200G	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Diesel fuel or kerosene
English Text: During the time you used the exposure badge, did you breathe fumes from or use diesel fuel or kerosene?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200H	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Gasoline
English Text: During the time you used the exposure badge, did you breathe fumes from or use gasoline?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200I	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Paint thinner, brush cleaner, stripper
English Text: During the time you used the exposure badge, did you breathe fumes from or use paint thinner, brush cleaner, or furniture stripper?	
English Instructions:	
Codes: 1= Yes 2= No	Skip To Values:

7= Refused
9= Don't know

VTQ200J	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Air fresheners or room deodorizers
English Text: During the time you used the exposure badge, did you breathe fumes from or use air fresheners or room deodorizers?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200K	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Drycleaning fluid or spot remover
English Text: During the time you used the exposure badge, did you breathe fumes from or use drycleaning fluid or spot remover?	
English Instructions:	
Codes: 1= Yes 2= No 7= Refused 9= Don't know	Skip To Values:

VTQ200L	Target
	B(20 Yrs. to 59 Yrs.)
Hard Edits	SAS Label
	Glues or adhesives, hobbies or crafts
English Text: During the time you used the exposure badge, did you breathe fumes from or use glues or adhesives used for hobbies or crafts?	
English Instructions:	

Codes:

1= Yes

2= No

7= Refused

9= Don't know

Skip To Values: