



APPENDIX AVAILABLE ON REQUEST

Research Report 160 Personal and Ambient Exposures to Air Toxics in Camden, New Jersey

Paul J. Liroy et al.

Appendix G. Time Window Obtained from Each Subject During the Sampling Period

Note: Appendices Available on the Web appear in a different order than in the original Investigators' Report. HEI has not changed these documents.

Appendices were relettered as follows:

Appendix G was originally Appendix V

Correspondence may be addressed to: Dr. Paul J. Liroy, Environmental and Occupational Health Sciences Institute, Piscataway, New Jersey 08854

Although this document was produced with partial funding by the United States Environmental Protection Agency under Assistance Award CR-83234701 to the Health Effects Institute, it has not been subjected to the Agency's peer and administrative review and therefore may not necessarily reflect the views of the Agency, and no official endorsement by it should be inferred. The contents of this document also have not been reviewed by private party institutions, including those that support the Health Effects Institute; therefore, it may not reflect the views or policies of these parties, and no endorsement by them should be inferred.

This document was reviewed by the HEI Health Review Committee but did not undergo the HEI scientific editing and production process.

© 2011 Health Effects Institute, 101 Federal Street, Suite 500, Boston, MA 02110-1817

APPENDIX V.

Appendix V. Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
CDS	008	5/25/2004	84.7	0.0	2.1	0.0	6.3	3.5	3.5	84.7
CDS	008	7/24/2004	84.0	0.0	0.0	0.0	0.0	6.0	10.0	84.0
CDS	008	1/20/2005	71.7	3.6	6.5	4.4	0.0	1.5	12.3	79.7
CDS	008	1/14/2006	94.1	1.0	0.0	0.0	2.4	0.0	2.4	95.1
CDS	009	5/25/2004	77.1	0.0	0.0	16.7	3.5	1.4	1.4	93.8
CDS	009	7/24/2004	60.0	0.0	14.0	8.0	0.0	6.0	12.0	68.0
CDS	009	3/3/2005	82.6	0.0	2.2	8.7	2.2	0.0	4.4	91.3
CDS	009	3/5/2005	76.0	0.0	0.0	0.0	18.0	0.0	6.0	76.0
CDS	010	5/25/2004	83.3	0.0	6.3	6.3	0.0	0.0	4.2	89.6
CDS	014	7/21/2004	58.3	25.0	0.0	0.0	0.0	16.7	0.0	83.3
CDS	014	8/21/2004	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	014	11/20/2004	48.0	0.0	0.0	24.0	28.0	0.0	0.0	72.0
CDS	014	12/8/2004	84.0	4.0	0.0	0.0	0.0	0.0	12.0	88.0
CDS	015	7/21/2004	81.3	0.0	4.2	14.6	0.0	0.0	0.0	95.8
CDS	015	8/7/2004	82.0	0.0	14.0	0.0	0.0	4.0	0.0	82.0
CDS	015	11/18/2004	97.2	0.0	0.0	1.4	0.0	0.0	1.4	98.6
CDS	015	12/4/2004	50.0	0.0	0.0	25.0	0.0	0.0	25.0	75.0
CDS	016	8/14/2004	34.0	28.0	12.0	12.0	0.0	10.0	4.0	74.0
CDS	016	8/23/2004	60.4	0.0	0.0	8.3	8.3	22.9	0.0	68.8
CDS	016	1/15/2005	74.0	0.0	0.0	8.0	0.0	18.0	0.0	82.0
CDS	016	2/3/2005	62.5	12.5	16.7	0.0	0.0	8.3	0.0	75.0
CDS	017	7/26/2004	76.4	0.0	1.4	9.7	3.5	6.9	2.1	86.1
CDS	017	8/21/2004	67.3	0.0	8.0	5.3	6.0	3.3	10.0	72.7
CDS	017	12/10/2005	58.3	12.5	0.0	4.2	4.2	0.0	20.8	75.0
CDS	017	12/7/2005	60.0	16.0	0.0	4.0	12.0	0.0	8.0	80.0
CDS	019	8/21/2004	40.0	0.0	0.0	50.0	0.0	0.0	10.0	90.0
CDS	019	12/8/2004	89.7	0.0	0.0	10.3	0.0	0.0	0.0	100.0
CDS	020	7/28/2004	53.9	0.0	19.2	26.9	0.0	0.0	0.0	80.8
CDS	020	11/18/2004	87.5	0.0	0.0	12.5	0.0	0.0	0.0	100.0

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
CDS	020	12/4/2004	87.5	0.0	0.0	12.5	0.0	0.0	0.0	100.0
CDS	022	8/2/2004	87.5	0.0	6.3	2.1	0.0	4.2	0.0	89.6
CDS	022	8/14/2004	87.5	0.0	0.0	12.5	0.0	0.0	0.0	100.0
CDS	022	12/4/2004	50.0	0.0	0.0	25.0	0.0	0.0	25.0	75.0
CDS	022	12/21/2005	87.3	0.0	9.3	0.0	0.0	0.0	3.3	87.3
CDS	023	8/3/2004	50.0	0.0	0.0	2.1	33.3	2.1	12.5	52.1
CDS	023	1/29/2005	77.3	0.0	0.0	4.0	9.3	0.0	9.3	81.3
CDS	023	7/9/2005	65.2	0.0	0.0	0.0	30.4	4.4	0.0	65.2
CDS	023	2/14/2006	62.5	33.3	0.0	0.0	0.0	0.0	4.2	95.8
CDS	025	8/3/2004	77.1	0.0	2.1	12.5	8.3	0.0	0.0	89.6
CDS	025	8/20/2005	70.3	0.0	4.4	8.7	2.9	13.8	0.0	79.0
CDS	026	8/5/2004	56.3	0.0	0.0	37.5	2.1	4.2	0.0	93.8
CDS	026	8/14/2004	83.3	0.0	0.0	16.7	0.0	0.0	0.0	100.0
CDS	027	8/5/2004	10.4	37.5	16.7	4.2	2.1	29.2	0.0	52.1
CDS	027	9/11/2004	54.2	0.0	0.0	29.2	4.2	12.5	0.0	83.3
CDS	028	8/5/2004	56.0	0.0	0.0	44.0	0.0	0.0	0.0	100.0
CDS	028	8/28/2004	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	028	12/21/2005	62.5	33.3	0.0	4.2	0.0	0.0	0.0	100.0
CDS	028	1/7/2006	68.0	0.0	20.0	0.0	12.0	0.0	0.0	68.0
CDS	029	8/9/2004	92.0	0.0	0.0	8.0	0.0	0.0	0.0	100.0
CDS	029	8/28/2004	80.4	0.0	0.0	19.6	0.0	0.0	0.0	100.0
CDS	029	12/21/2005	60.9	39.1	0.0	0.0	0.0	0.0	0.0	100.0
CDS	029	1/7/2006	68.0	0.0	0.0	32.0	0.0	0.0	0.0	100.0
CDS	030	8/9/2004	70.0	0.0	0.0	30.0	0.0	0.0	0.0	100.0
CDS	030	9/11/2004	88.0	0.0	12.0	0.0	0.0	0.0	0.0	88.0
CDS	030	12/21/2005	64.6	33.3	0.0	2.1	0.0	0.0	0.0	100.0
CDS	030	1/7/2006	86.0	0.0	0.0	14.0	0.0	0.0	0.0	100.0
CDS	031	8/23/2004	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	031	8/28/2004	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	031	12/8/2004	91.7	0.0	0.0	0.0	0.0	8.3	0.0	91.7

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
CDS	031	11/19/2005	50.0	0.0	0.0	20.8	29.2	0.0	0.0	70.8
CDS	032	8/30/2004	52.0	0.0	28.0	20.0	0.0	0.0	0.0	72.0
CDS	032	1/29/2005	56.0	32.0	0.0	6.0	0.0	0.0	6.0	94.0
CDS	032	2/3/2005	76.0	14.0	10.0	0.0	0.0	0.0	0.0	90.0
CDS	032	7/30/2005	34.1	0.0	43.2	0.0	22.7	0.0	0.0	34.1
CDS	034	8/28/2004	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	034	8/30/2004	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	034	1/15/2005	62.5	0.0	0.0	0.0	16.7	0.0	20.8	62.5
CDS	034	3/9/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	034	3/12/2005	64.0	33.3	0.0	0.0	1.3	0.0	1.3	97.3
CDS	047	3/5/2005	83.3	0.0	0.0	16.7	0.0	0.0	0.0	100.0
CDS	048	7/16/2005	58.3	0.0	0.0	2.1	2.1	4.2	33.3	60.4
CDS	049	3/3/2005	78.0	0.0	0.0	22.0	0.0	0.0	0.0	100.0
CDS	049	3/5/2005	37.5	0.0	10.4	16.7	35.4	0.0	0.0	54.2
CDS	049	7/13/2005	75.0	0.0	0.0	8.3	16.7	0.0	0.0	83.3
CDS	052	7/16/2005	58.3	0.0	0.0	41.7	0.0	0.0	0.0	100.0
CDS	052	7/20/2005	72.0	0.0	0.0	28.0	0.0	0.0	0.0	100.0
CDS	053	3/9/2005	92.0	0.0	8.0	0.0	0.0	0.0	0.0	92.0
CDS	054	3/12/2005	37.5	0.0	58.3	4.2	0.0	0.0	0.0	41.7
CDS	054	8/13/2005	75.0	0.0	4.2	20.8	0.0	0.0	0.0	95.8
CDS	054	8/17/2005	58.3	0.0	35.4	0.0	0.0	6.3	0.0	58.3
CDS	059	3/29/2005	58.3	0.0	0.0	41.7	0.0	0.0	0.0	100.0
CDS	060	3/29/2005	54.0	0.0	0.0	46.0	0.0	0.0	0.0	100.0
CDS	060	6/25/2005	60.4	0.0	0.0	39.6	0.0	0.0	0.0	100.0
CDS	060	6/30/2005	56.3	0.0	0.0	33.3	0.0	10.4	0.0	89.6
CDS	060	1/14/2006	74.0	0.0	14.0	12.0	0.0	0.0	0.0	86.0
CDS	061	3/29/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	061	6/30/2005	75.0	0.0	0.0	16.7	0.0	8.3	0.0	91.7
CDS	061	12/17/2005	80.0	0.0	0.0	20.0	0.0	0.0	0.0	100.0
CDS	062	3/29/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	062	6/22/2005	85.4	0.0	0.0	4.2	8.3	2.1	0.0	89.6

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
CDS	062	6/25/2005	68.0	0.0	0.0	32.0	0.0	0.0	0.0	100.0
CDS	062	1/14/2006	83.3	0.0	14.6	2.1	0.0	0.0	0.0	85.4
CDS	069	7/23/2005	30.4	0.0	50.0	13.0	4.4	0.0	2.2	43.5
CDS	069	8/1/2005	58.3	0.0	0.0	20.8	20.8	0.0	0.0	79.2
CDS	069	11/19/2005	82.0	0.0	0.0	0.0	18.0	0.0	0.0	82.0
CDS	069	12/7/2005	97.2	0.0	0.0	0.0	1.4	0.0	1.4	97.2
CDS	070	6/30/2005	66.7	0.0	0.0	33.3	0.0	0.0	0.0	100.0
CDS	073	7/9/2005	16.7	0.0	33.3	4.2	45.8	0.0	0.0	20.8
CDS	073	7/13/2005	54.2	0.0	14.6	12.5	8.3	0.0	10.4	66.7
CDS	074	7/13/2005	60.0	0.0	0.0	14.0	24.0	0.0	2.0	74.0
CDS	074	7/16/2005	36.0	0.0	0.0	48.0	14.0	2.0	0.0	84.0
CDS	074	11/17/2005	54.2	0.0	18.1	25.0	1.4	0.0	1.4	79.2
CDS	074	12/17/2005	58.3	0.0	0.0	41.7	0.0	0.0	0.0	100.0
CDS	075	7/20/2005	57.7	0.0	0.0	23.1	19.2	0.0	0.0	80.8
CDS	075	7/23/2005	94.0	0.0	0.0	0.0	4.0	0.0	2.0	94.0
CDS	075	11/19/2005	92.0	0.0	1.3	4.0	1.3	0.0	1.3	96.0
CDS	077	8/1/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	077	8/6/2005	60.4	0.0	0.0	0.0	39.6	0.0	0.0	60.4
CDS	077	11/19/2005	84.0	0.0	9.3	4.0	1.3	0.0	1.3	88.0
CDS	077	1/11/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	078	8/4/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	078	8/6/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	078	1/11/2006	92.0	0.0	4.0	0.0	0.0	0.0	4.0	92.0
CDS	078	1/21/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	079	7/30/2005	62.5	0.0	0.0	37.5	0.0	0.0	0.0	100.0
CDS	082	8/17/2005	75.0	0.0	0.0	0.0	12.5	12.5	0.0	75.0
CDS	082	8/20/2005	78.0	0.0	0.0	0.0	22.0	0.0	0.0	78.0
CDS	082	1/21/2006	54.2	0.0	0.0	12.5	29.2	0.0	4.2	66.7
CDS	085	8/20/2005	50.0	0.0	0.0	12.5	31.3	6.3	0.0	62.5
CDS	085	8/24/2005	54.2	0.0	0.0	20.8	8.3	8.3	8.3	75.0
CDS	085	12/7/2005	64.0	0.0	0.0	16.0	10.0	0.0	10.0	80.0

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
CDS	085	12/10/2005	58.3	0.0	0.0	16.7	8.3	4.2	12.5	75.0
CDS	087	8/1/2005	57.7	0.0	0.0	26.9	15.4	0.0	0.0	84.6
CDS	087	8/6/2005	72.0	0.0	0.0	4.0	24.0	0.0	0.0	76.0
CDS	087	1/11/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	087	1/14/2006	64.0	0.0	0.0	12.0	16.0	0.0	8.0	76.0
CDS	092	8/24/2005	64.0	0.0	0.0	20.0	8.0	8.0	0.0	84.0
CDS	092	8/27/2005	60.0	0.0	0.0	24.0	8.0	8.0	0.0	84.0
CDS	092	12/7/2005	66.7	25.0	0.0	4.2	4.2	0.0	0.0	95.8
CDS	093	11/17/2005	84.1	0.0	0.0	15.9	0.0	0.0	0.0	100.0
CDS	093	12/17/2005	87.5	0.0	0.0	12.5	0.0	0.0	0.0	100.0
CDS	093	7/5/2006	95.3	0.0	0.0	3.3	0.0	0.0	1.3	98.7
CDS	093	7/15/2006	95.5	0.0	0.0	4.6	0.0	0.0	0.0	100.0
CDS	097	1/21/2006	88.0	0.0	0.0	0.0	8.0	0.0	4.0	88.0
CDS	097	1/25/2006	31.3	39.6	0.0	8.3	16.7	0.0	4.2	79.2
CDS	097	7/20/2006	38.5	36.5	15.4	0.0	0.0	3.9	5.8	75.0
CDS	097	7/21/2006	86.4	0.0	0.0	6.8	0.0	6.8	0.0	93.2
CDS	100	1/21/2006	96.0	0.0	2.0	2.0	0.0	0.0	0.0	98.0
CDS	100	2/22/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	100	6/28/2006	97.8	0.0	0.0	2.2	0.0	0.0	0.0	100.0
CDS	100	7/1/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	103	2/18/2006	68.0	0.0	0.0	0.0	26.0	6.0	0.0	68.0
CDS	103	2/22/2006	5.8	60.9	0.0	0.0	24.6	5.1	3.6	66.7
CDS	103	6/28/2006	52.4	0.0	7.9	0.0	17.5	22.2	0.0	52.4
CDS	103	7/1/2006	59.7	0.0	0.0	0.0	36.8	3.5	0.0	59.7
CDS	104	3/1/2006	61.3	29.3	0.0	8.0	0.0	0.0	1.3	98.7
CDS	104	3/4/2006	70.8	0.0	16.7	12.5	0.0	0.0	0.0	83.3
CDS	105	3/1/2006	64.0	30.0	0.0	6.0	0.0	0.0	0.0	100.0
CDS	105	3/4/2006	6.9	0.0	86.1	6.9	0.0	0.0	0.0	13.9
CDS	110	3/8/2006	98.0	0.0	0.0	2.0	0.0	0.0	0.0	100.0
CDS	110	3/11/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
CDS	110	7/13/2006	91.7	0.0	0.0	8.3	0.0	0.0	0.0	100.0

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
WFS	018	8/7/2004	70.8	0.0	0.0	29.2	0.0	0.0	0.0	100.0
WFS	018	12/8/2004	70.8	0.0	0.0	27.1	2.1	0.0	0.0	97.9
WFS	018	1/15/2005	98.0	0.0	0.0	2.0	0.0	0.0	0.0	100.0
WFS	021	7/31/2004	66.0	0.0	0.0	30.0	0.0	4.0	0.0	96.0
WFS	021	8/23/2004	75.0	0.0	0.0	8.3	0.0	8.3	8.3	83.3
WFS	021	12/4/2004	96.0	0.0	0.0	4.0	0.0	0.0	0.0	100.0
WFS	021	2/17/2005	8.0	0.0	56.0	6.0	20.0	0.0	10.0	14.0
WFS	024	8/3/2004	44.0	0.0	0.0	13.3	31.3	2.0	9.3	57.3
WFS	024	8/21/2004	79.9	0.0	0.0	0.0	11.1	9.0	0.0	79.9
WFS	024	1/15/2005	56.3	0.0	20.8	0.0	0.0	20.8	2.1	56.3
WFS	024	1/20/2005	36.0	0.0	12.0	0.0	44.0	0.0	8.0	36.0
WFS	033	1/29/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	033	7/13/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	033	7/16/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	033	12/21/2005	84.0	12.0	0.0	4.0	0.0	0.0	0.0	100.0
WFS	035	11/18/2004	58.0	14.0	2.0	15.3	1.3	9.3	0.0	87.3
WFS	035	8/27/2005	55.6	0.0	18.1	25.0	0.0	0.0	1.4	80.6
WFS	035	9/1/2005	72.0	0.0	0.0	20.0	0.0	8.0	0.0	92.0
WFS	035	1/7/2006	71.7	0.0	16.7	8.0	0.0	0.0	3.6	79.7
WFS	036	9/1/2005	72.0	0.0	0.0	28.0	0.0	0.0	0.0	100.0
WFS	036	1/11/2006	39.6	30.6	20.8	7.6	0.0	0.0	1.4	77.8
WFS	037	11/20/2004	78.0	0.0	0.0	0.0	22.0	0.0	0.0	78.0
WFS	037	12/8/2004	76.0	0.0	0.0	16.0	8.0	0.0	0.0	92.0
WFS	037	8/1/2005	18.5	0.0	0.0	81.5	0.0	0.0	0.0	100.0
WFS	037	8/13/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	038	11/20/2004	70.0	0.0	0.0	30.0	0.0	0.0	0.0	100.0
WFS	038	3/3/2005	76.0	0.0	0.0	8.0	16.0	0.0	0.0	84.0
WFS	038	7/23/2005	92.0	0.0	0.0	8.0	0.0	0.0	0.0	100.0
WFS	038	8/17/2005	54.0	0.0	0.0	12.0	34.0	0.0	0.0	66.0
WFS	039	11/18/2004	71.7	17.4	0.0	10.9	0.0	0.0	0.0	100.0
WFS	039	12/18/2004	73.9	0.0	0.0	0.0	2.2	0.0	23.9	73.9

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
WFS	039	7/9/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	039	7/13/2005	70.2	25.3	0.0	0.0	2.2	0.0	2.2	95.5
WFS	040	1/15/2005	66.7	29.2	0.0	4.2	0.0	0.0	0.0	100.0
WFS	040	3/3/2005	68.1	0.0	0.0	0.0	30.6	0.0	1.4	68.1
WFS	040	7/9/2005	97.9	0.0	0.0	0.0	2.1	0.0	0.0	97.9
WFS	040	7/13/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	041	1/29/2005	54.2	0.0	0.0	31.3	6.3	8.3	0.0	85.4
WFS	041	2/3/2005	44.0	32.0	12.0	12.0	0.0	0.0	0.0	88.0
WFS	041	7/23/2005	45.8	0.0	0.0	54.2	0.0	0.0	0.0	100.0
WFS	041	8/1/2005	66.7	0.0	0.0	33.3	0.0	0.0	0.0	100.0
WFS	042	1/20/2005	72.0	4.0	0.0	0.0	24.0	0.0	0.0	76.0
WFS	042	7/9/2005	93.3	0.0	3.3	0.0	0.0	3.3	0.0	93.3
WFS	042	8/24/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	042	12/17/2005	66.0	0.0	8.0	0.0	24.0	0.0	2.0	66.0
WFS	043	1/20/2005	84.0	10.0	0.0	6.0	0.0	0.0	0.0	100.0
WFS	044	1/29/2005	88.0	0.0	0.0	12.0	0.0	0.0	0.0	100.0
WFS	044	2/17/2005	70.0	26.0	0.0	4.0	0.0	0.0	0.0	100.0
WFS	044	7/30/2005	62.0	0.0	0.0	38.0	0.0	0.0	0.0	100.0
WFS	044	8/17/2005	54.2	0.0	0.0	45.8	0.0	0.0	0.0	100.0
WFS	045	1/29/2005	64.0	0.0	0.0	36.0	0.0	0.0	0.0	100.0
WFS	045	2/17/2005	71.3	19.3	0.0	9.3	0.0	0.0	0.0	100.0
WFS	045	7/23/2005	52.0	0.0	0.0	48.0	0.0	0.0	0.0	100.0
WFS	045	8/1/2005	77.8	0.0	0.0	22.2	0.0	0.0	0.0	100.0
WFS	050	3/3/2005	48.0	0.0	52.0	0.0	0.0	0.0	0.0	48.0
WFS	050	3/5/2005	80.0	0.0	0.0	20.0	0.0	0.0	0.0	100.0
WFS	050	8/27/2005	96.0	0.0	0.0	4.0	0.0	0.0	0.0	100.0
WFS	050	9/1/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	051	3/3/2005	84.0	0.0	0.0	16.0	0.0	0.0	0.0	100.0
WFS	051	3/5/2005	56.0	0.0	0.0	44.0	0.0	0.0	0.0	100.0
WFS	051	8/13/2005	66.7	0.0	0.0	33.3	0.0	0.0	0.0	100.0
WFS	051	8/17/2005	80.0	0.0	0.0	20.0	0.0	0.0	0.0	100.0

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
WFS	055	3/17/2005	85.3	0.0	0.0	6.0	3.3	2.0	3.3	91.3
WFS	055	1/7/2006	68.0	0.0	0.0	32.0	0.0	0.0	0.0	100.0
WFS	055	7/13/2006	70.4	0.0	0.0	29.6	0.0	0.0	0.0	100.0
WFS	055	7/15/2006	50.0	0.0	0.0	19.2	1.9	26.9	1.9	69.2
WFS	056	3/17/2005	75.0	0.0	0.0	25.0	0.0	0.0	0.0	100.0
WFS	056	7/20/2005	27.1	0.0	47.9	14.6	10.4	0.0	0.0	41.7
WFS	057	3/17/2005	58.3	0.0	18.8	4.2	0.0	0.0	18.8	62.5
WFS	057	7/20/2005	77.3	0.0	0.0	17.3	0.0	2.0	3.3	94.7
WFS	058	3/17/2005	76.0	0.0	0.0	24.0	0.0	0.0	0.0	100.0
WFS	058	1/14/2006	84.0	0.0	0.0	0.0	0.0	0.0	16.0	84.0
WFS	058	7/20/2006	80.0	0.0	0.0	20.0	0.0	0.0	0.0	100.0
WFS	058	7/21/2006	83.3	0.0	0.0	0.0	12.5	4.2	0.0	83.3
WFS	064	6/22/2005	84.0	0.0	0.0	4.0	0.0	12.0	0.0	88.0
WFS	064	6/25/2005	44.2	0.0	0.0	13.5	38.5	3.9	0.0	57.7
WFS	064	11/19/2005	88.0	0.0	0.0	0.0	6.0	6.0	0.0	88.0
WFS	064	11/17/2005	76.0	0.0	0.0	24.0	0.0	0.0	0.0	100.0
WFS	065	6/22/2005	92.0	0.0	4.0	0.0	0.0	4.0	0.0	92.0
WFS	065	6/25/2005	88.5	0.0	0.0	11.5	0.0	0.0	0.0	100.0
WFS	066	6/22/2005	63.0	0.0	37.0	0.0	0.0	0.0	0.0	63.0
WFS	067	6/25/2005	80.0	0.0	4.0	4.0	4.0	8.0	0.0	84.0
WFS	067	6/30/2005	81.3	0.0	0.0	18.8	0.0	0.0	0.0	100.0
WFS	067	1/7/2006	80.0	0.0	0.0	0.0	20.0	0.0	0.0	80.0
WFS	067	1/25/2006	48.0	28.0	0.0	24.0	0.0	0.0	0.0	100.0
WFS	068	7/16/2005	66.0	0.0	0.0	32.0	0.0	2.0	0.0	98.0
WFS	068	7/20/2005	60.0	0.0	0.0	40.0	0.0	0.0	0.0	100.0
WFS	068	12/10/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	068	12/7/2005	98.0	0.0	0.0	2.0	0.0	0.0	0.0	100.0
WFS	071	6/30/2005	47.9	0.0	0.0	39.6	12.5	0.0	0.0	87.5
WFS	071	8/13/2005	91.7	0.0	0.0	8.3	0.0	0.0	0.0	100.0
WFS	071	12/10/2005	79.2	0.0	0.0	0.0	20.8	0.0	0.0	79.2
WFS	071	12/21/2005	75.0	0.0	0.0	25.0	0.0	0.0	0.0	100.0

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
WFS	072	6/30/2005	64.6	0.0	0.0	22.9	12.5	0.0	0.0	87.5
WFS	072	8/13/2005	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	072	12/10/2005	75.0	0.0	0.0	2.1	22.9	0.0	0.0	77.1
WFS	072	11/17/2005	54.2	43.8	0.0	0.0	0.0	2.1	0.0	97.9
WFS	076	8/4/2005	77.1	0.0	0.0	22.9	0.0	0.0	0.0	100.0
WFS	076	8/6/2005	59.6	0.0	0.0	3.9	36.5	0.0	0.0	63.5
WFS	076	2/22/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	076	3/11/2006	79.2	0.0	0.0	20.8	0.0	0.0	0.0	100.0
WFS	084	7/30/2005	87.0	0.0	0.0	13.0	0.0	0.0	0.0	100.0
WFS	084	8/4/2005	76.0	0.0	0.0	4.0	20.0	0.0	0.0	80.0
WFS	084	11/19/2005	87.5	0.0	0.0	12.5	0.0	0.0	0.0	100.0
WFS	084	11/17/2005	76.0	0.0	0.0	12.0	4.0	0.0	8.0	88.0
WFS	088	8/6/2005	70.8	0.0	0.0	29.2	0.0	0.0	0.0	100.0
WFS	089	8/24/2005	66.0	0.0	18.0	8.0	0.0	8.0	0.0	74.0
WFS	089	8/27/2005	70.0	0.0	24.0	0.0	0.0	2.0	4.0	70.0
WFS	090	8/24/2005	91.3	0.0	0.0	8.7	0.0	0.0	0.0	100.0
WFS	090	8/27/2005	96.0	0.0	0.0	0.0	0.0	4.0	0.0	96.0
WFS	090	12/17/2005	66.7	21.3	0.0	2.0	1.3	0.0	8.7	90.0
WFS	090	1/11/2006	70.5	0.0	0.0	0.0	13.6	2.3	13.6	70.5
WFS	091	8/27/2005	96.0	0.0	0.0	0.0	0.0	4.0	0.0	96.0
WFS	091	9/1/2005	52.0	0.0	13.3	28.0	5.3	1.3	0.0	80.0
WFS	091	12/17/2005	45.5	6.6	0.0	1.4	1.0	0.0	45.5	53.5
WFS	091	1/11/2006	80.6	0.0	0.0	0.0	5.6	2.8	11.1	80.6
WFS	094	1/25/2006	84.8	0.0	0.0	15.2	0.0	0.0	0.0	100.0
WFS	094	2/18/2006	80.4	0.0	0.0	10.9	4.4	4.4	0.0	91.3
WFS	094	7/13/2006	89.3	0.0	0.0	0.0	10.7	0.0	0.0	89.3
WFS	095	1/25/2006	78.3	0.0	0.0	4.4	17.4	0.0	0.0	82.6
WFS	095	2/18/2006	87.5	0.0	8.3	4.2	0.0	0.0	0.0	91.7
WFS	095	7/13/2006	92.6	0.0	0.0	0.0	7.4	0.0	0.0	92.6
WFS	095	7/15/2006	88.0	0.0	0.0	0.0	12.0	0.0	0.0	88.0
WFS	096	1/14/2006	84.0	0.0	0.0	0.0	0.0	0.0	16.0	84.0

Appendix V. (continued) Time window obtained from each subject during the sampling period

Location	Subject ID	Date	Home	Work/school	Other indoors	Outdoor neighborhood	Outdoor _out-of-neighborhood	In-vehicle open-window	In-vehicle closed window	Total time in neighborhood
WFS	096	1/25/2006	68.0	16.0	0.0	0.0	0.0	0.0	16.0	84.0
WFS	096	7/5/2006	57.7	0.0	0.0	15.4	23.1	3.9	0.0	73.1
WFS	096	7/8/2006	80.0	0.0	0.0	20.0	0.0	0.0	0.0	100.0
WFS	098	1/21/2006	86.5	0.0	0.0	5.8	5.8	1.9	0.0	92.3
WFS	098	2/14/2006	81.1	0.0	0.0	0.0	10.6	0.0	8.3	81.1
WFS	099	1/21/2006	90.4	0.0	0.0	3.9	3.9	1.9	0.0	94.2
WFS	099	2/14/2006	44.4	33.3	0.0	0.0	11.1	0.0	11.1	77.8
WFS	101	2/14/2006	47.0	31.8	0.0	0.0	10.6	0.0	10.6	78.8
WFS	101	2/18/2006	54.0	0.0	42.0	0.0	0.0	4.0	0.0	54.0
WFS	102	2/18/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	102	2/22/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	102	6/28/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	102	7/1/2006	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
WFS	106	3/1/2006	60.4	27.1	0.0	12.5	0.0	0.0	0.0	100.0
WFS	106	3/4/2006	94.2	0.0	0.0	5.8	0.0	0.0	0.0	100.0
WFS	106	7/8/2006	95.5	0.0	0.0	4.6	0.0	0.0	0.0	100.0
WFS	107	3/1/2006	65.4	30.8	0.0	1.9	1.9	0.0	0.0	98.1
WFS	107	3/4/2006	80.4	0.0	0.0	19.6	0.0	0.0	0.0	100.0
WFS	107	7/5/2006	71.4	0.0	0.0	28.6	0.0	0.0	0.0	100.0
WFS	107	7/8/2006	85.0	0.0	0.0	15.0	0.0	0.0	0.0	100.0
WFS	108	3/1/2006	68.0	0.0	0.0	32.0	0.0	0.0	0.0	100.0
WFS	108	3/4/2006	83.3	0.0	0.0	16.7	0.0	0.0	0.0	100.0
WFS	108	7/5/2006	81.3	0.0	0.0	18.8	0.0	0.0	0.0	100.0
WFS	108	7/8/2006	71.7	0.0	0.0	23.9	4.4	0.0	0.0	95.7
WFS	109	3/8/2006	66.0	0.0	0.0	34.0	0.0	0.0	0.0	100.0
WFS	109	3/11/2006	58.0	0.0	0.0	42.0	0.0	0.0	0.0	100.0
WFS	109	7/8/2006	92.0	0.0	0.0	8.0	0.0	0.0	0.0	100.0