

Attachment 4.1

Anniston Community Health Survey: Follow up Study and Dioxin Analyses

**Project Year, Performing Laboratory, and Analyte**

Project Year	Laboratory and Contact	Analyte	* CLIA	Matrix	Volume
Year 1	<b>NCEH/Division of Laboratory Sciences</b> Contact: Dr. Andreas Sjodin	7 Dioxins/10 Furans/9 Co-planar and Mono-ortho-substituted PCBs	Yes †	Serum	40 ml
Year 2	<b>NCEH/Division of Laboratory Sciences</b> Contact: Dr. Andreas Sjodin	30 Di-ortho-substituted PCBs and 9 Pesticides	Yes †	Serum	4 ml
	<b>Northwest Lipid Metabolism and Diabetes Research Laboratories</b> Seattle, WA Contact: Dr. Santica Marcovina	Glycemic Parameters HbA1c	Yes †	Whole blood	2 ml
		Glucose Insulin Anti-GAD Anti-IA2		Serum	2 ml (for all four)
		Lipid Panel Total cholesterol Triglycerides LDL HDL Phospholipids Free Fatty acids		Serum	2 ml (for all six)
<b>University of Southern California (USC) Clinical Laboratories Endocrine Services, Los Angeles, CA</b> Contact: Dr. Carol Spencer	Thyroid Panel TgAb TPO Ab TSH Free T4 Total T4 Total T3 THBR	Yes	Serum	2 ml (for all seven)	

Project Year	Laboratory and Contact	Analyte	* CLIA	Matrix	Volume
Year 3	<b>NCEH/Division of Laboratory Sciences</b> Contact: Dr. Andreas Sjodin	PBDEs (17, 28, 47, 66, 85, 99, 100, 153, 154, 183, and 209)	Yes †	Serum	4 ml
	<b>NCEH/Division of Laboratory Sciences</b> Contact: Dr. Kathy Caldwell	Lead/Cadmium/Mercury/Manganese/Selenium	Yes †	Whole Blood Serum	3 ml 1 ml
	<b>SUNY Upstate Medical University, Syracuse, NY</b> Contact: Prof. Allen Silverstone	Autoimmune Parameters Rheumatoid Factor ANA screen ANA titer	Yes. Individual results not reported.	Serum	2 ml (for all) Plus stored samples from 2005-2007 ACHS
	<b>Jacksonville Medical Center Clinical Biochemistry Laboratory, Jacksonville, AL</b> Contact: Mr. Arlon Sheffield	Standard Liver Tests Albumin (Alb) Alanine transaminase (ALT) Aspartate transaminase (AST) Alkaline phosphatase (ALP) Total bilirubin (TBIL) Direct bilirubin (DBIL or Conjugated Bilirubin) Gamma glutamyl transpeptidase (GGT)	Yes	Serum	2 ml (for all)
<b>University of Louisville, Louisville, KY</b> Contact: Dr. Matt Cave	Cytokines Cytokeratin 18 M30 (CK-18 M30) Cytokeratin 18 M65 (CK-18 M65) Adipocytokines Adiponectin Resistin PAI-1 MCP-1 TNF- $\alpha$ Interleukin 1 $\beta$ (IL1 $\beta$ ) Interleukin 6 (IL6) Interleukin 8 (IL8) Leptin Antioxidant assay Hyaluronic acid Endotoxin	No. Individual results not reported.	Serum	2 ml (for all)	

\* Indicates CLIA-regulated procedure; † indicates CLIA 88 reference laboratory.