## Attachment 4.1

Anniston Community Health Survey: Follow up Study and Dioxin Analyses

## Project Year, Performing Laboratory, and Analyte

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

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| **Project Year** | **Laboratory and Contact** | **Analyte** | **\* CLIA** | **Matrix** | **Volume** |
| **Year 3** | ***NCEH/Division of Laboratory Sciences****Contact: Dr. Andreas Sjodin* | PBDEs (17, 28, 47, 66, 85, 99, 100, 153, 154, 183, and 209) | Yes † | Serum | 4 ml |
| ***NCEH/Division of Laboratory Sciences****Contact: Dr. Kathy Caldwell* | Lead/Cadmium/Mercury/Manganese/Selenium | Yes † | Whole BloodSerum | 3 ml1 ml |
| ***SUNY Upstate Medical University, Syracuse, NY****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 |
| ***Jacksonville Medical Center Clinical Biochemistry Laboratory, Jacksonville, AL****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) |
| ***University of Louisville, Louisville, KY****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-α          Interleukin 1β (IL1β)          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.