Domestic Well Pesticide Sampling Project

2003

Lora Overacre

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
GEORGIA GEOLOGIC SURVEY

Atlanta
July, 2004

PROJECT REPORT 53

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INTRODUCTION

HISTORIC BACKGROUND

The Pesticide Monitoring Network (PMN) is a joint project between the Georgia Department of Agriculture (GDA) and the Georgia Environmental Protection Division (EPD). The project was initiated in September 1993 to sample National Ambient Water Quality Assessment (NAWQA) monitoring wells installed by the U.S. Geological Survey (USGS) in the Apalachicola-Chattahoochee-Flint River Basins. The purpose was to provide baseline data to the GDA and EPD for the State Pesticide Management Plan. Past, present, and future well sampling provides information on the susceptibility of aquifers to non-point source pollution from agricultural practices and permits evaluation of the impact of normal use and handling of pesticides on ground water at or near the site of application.

From 1993 through 1999, EPD sampled NAWQA monitoring wells in southwest Georgia. In addition to these monitoring wells, a small number of private drinking water wells and shallow irrigation wells within the Dougherty Plain in southwest Georgia were added to the PMN in 1998 and 1999, respectively. In April 1999, EPD discontinued sampling the monitoring and private wells and concentrated only on irrigation wells. Irrigation well sampling was terminated in April 2000, and results of the project were summarized in PMN Project Report 43.

CURRENT STATUS

In May 2000, with the approval of GDA, EPD began sampling private drinking water wells for four commonly used pesticides: alachlor, atrazine, metolachlor, and simazine. The project was re-named the "Domestic Well Water Sampling Project for Pesticides." For sampling purposes, the state was divided into regions shown in Figure 1. Initial sampling efforts were concentrated in the Southwest Georgia region. As of December 2003, EPD had completed initial sampling and well owner recruiting in all counties statewide except for the coastal counties that generally draw water from a confined aquifer. However, due to current research findings that indicate that some wells in the coastal region draw water from unconfined or semi-confined shallow aquifers, the project was expanded in November 2003 to include the coastal counties. All counties in Georgia are now included in the project.

In addition to expanding the sampling area, the spectrum of target analytes was also broadened and the pesticide analysis was streamlined. Nitrate analysis were added to the laboratory procedures in August 2003. In January 2003, after internal cross validation against EPA Methods 507 and 508, and EPA approval of new laboratory procedures, the pesticide analysis was streamlined to using only EPA Method 525.2. Immunoassay screening analysis continued in order to compare the new procedure for accuracy. Once the accuracy of EPA Method 525.2 was assured, immunoassay was discontinued (April 2003).

EPD anticipates collection of domestic well water samples will be completed statewide by mid-2005. Attempts are being made to obtain one well water sample from each 10 square mile section of each county. The results of this project will be used by EPD as part of its long term

monitoring of ground-water quality and by GDA for continued development and implementation of the State Pesticide Management Plan.

SCOPE OF WORK

WELL SELECTION

EPD published an article in the GDA Market Bulletin and in local southwest Georgia papers in February and March 2000 to solicit volunteers for the Domestic Well Water Testing Project. The article requested well owners who were interested in having their well water tested for atrazine, alachlor, metolachlor, and simazine to send a written request to the Georgia Geologic Survey. The article was subsequently revised to solicit volunteers statewide and was reprinted in the June, July, November and December 2000 Market Bulletins (Appendix A).

When a response from a well owner is received by EPD, applicable information is entered into an Access® database form. A unique identification number is assigned to the well owner and the owner's location is plotted on a Georgia Department of Transportation county highway map. A ten square mile grid is then laid over the county map and, wherever possible, one well for every grid block is selected for sampling.

County tax assessor's offices are visited to identify up to five property owners with homestead exemption within each 10 square-mile grid that lacks volunteer homeowner response. Letters are sent to each of the homeowners soliciting participation in the project. If one or more responses are received within eight weeks, one of the wells is selected and added to the sampling list. If after visiting the tax assessor's office the desired coverage is not achieved, attempts are made to contact the county extension agent and/or the county health department for potential participant information. Local water well drillers are also contacted for information about potential volunteer homeowners. Tax assessors' offices are often revisited to gather additional names.

The target for samples per county and the volunteer responses received through December 31, 2003 are presented in Appendix B. EPD will attempt to identify and sample one well within each ten square mile section of each county, but portions of some counties will not be sampled due to the presence of municipal water supply systems, military bases, lack of volunteer homeowners, uninhabited lands, and other factors.

FIELD PROCEDURES

An EPD representative contacts the well owner by telephone to schedule the sampling event. When visiting a domestic well site, EPD sampling personnel wear visible identification with a photograph. All sampling is performed outside, and the well owner's home is not entered. At each well site, the spigot closest to the well is used for sampling. Water temperature, conductivity and pH are measured with a Hanna HI 991310 multi-meter, and the sample is collected when pH and temperature remain constant for three consecutive readings. Time and corresponding pH, conductivity, and temperature measurements, as well as the latitude and

longitude coordinates determined by a Garmin eTrex Legend GPS receiver, are recorded for each well on a field data sheet (Appendix C).

Previously followed field procedures for collection of water samples for multiple EPA testing methods and for immunoassay screening are available for review in Project Report 51. Current sampling procedures include collection of two bottles: one 1 liter amber glass bottle for pesticide analysis (USEPA 525.2) and one 150-milliliter (ml) high-density polyethylene (HDPE) bottle for nitrate analysis (ion chromatography) (See Laboratory Methods). All sample bottles are labeled with the well identification number, time, date, and test method. The samples are individually packaged in zip-lock bags and stored in a cooler with ice. Samples are then transferred directly to the GDA courier in the ice packed cooler or are unloaded into the GDA sample-receiving refrigerator. A chain of custody form (Appendix D) is completed for each GDA sample and provided to the GDA personnel receiving the samples.

SAMPLE PRESERVATION

All samples are maintained on ice in the field and are refrigerated (to 4° C) in the laboratory prior to transfer and analyses. Immediately after sample collection, 5 ml of 6.0 N hydrochloric acid is added to each 1liter amber glass bottle (sample for pesticide anlaysis). No preservative is added to the nitrate sample. All samples are refrigerated and are analyzed within the holding times specified by the methods. The following table summarizes sample preservation and collection methods:

TEST METHOD	CONTAINER	SAMPLE VOLUME	PRESERVATION	HOLDING TIME
USEPA Method 525.2 (for pesticides)	Amber glass bottle	One liter	Cool to 4° C and after sampling add 5 ml of 6.0 N hydrochloric acid	14 days
Ion Chromatography (for nitrates)	High-density polyethylene (HDPE) bottle	150 milliliter	Cool to 4° C	Indefinite

LABORATORY METHODS

USEPA Method 525.2 is used to confirm any concentrations of alachlor, atrazine, metolachlor, or simazine in the samples. Ion chromatography is used to quantify nitrate concentrations. The method detection limits and limits of quantification for both analytical methods are significantly below the Georgia drinking water maximum contaminant levels as shown in the following table.

PESTICIDE	MCL	MDL	LOQ
Alachlor	2	0.042	0.140
Atrazine	3	0.028	0.093
Metolachlor	Not determined	0.049	0.163
Simazine	4	0.031	0.103
Nitrate (NN)	10	0.3	1.0

Note: MCL, MDL, and LOQ are in parts per billion (ppb) except for nitrate which is in parts per million (ppm)
MCL = Maximum Contaminant Level
MDL = Method Detection Limit
LOQ = Limit Of Quantification (the minimum level at which the concentration can be accurately quantified)

The ion chromatography procedure analyzes the samples specifically for nitrates. USEPA Method 525.2 provides quantitative analysis for 114 pesticides and related chemicals in addition to the four pesticides evaluated for this project. The additional pesticides and chemicals analyzed by GDA are listed in the excerpt from the USEPA Method 525.2 manual presented in Appendix E. The Domestic Well Pesticide Sampling Project deals only with alachlor, atrazine, metolachlor, simazine, and nitrates and this report does not contain information related to other compounds that may have been encountered during well testing activities.

QUALITY CONTROL

To ensure quality, a duplicate sample is collected for every ten samples analyzed by the GDA. In addition, a field reagent blank (FRB) is prepared and analyzed alongside the collected samples for each of the GDA test methods. The FRB is a laboratory prepared blank of de-ionized water that is exposed to the same field conditions and preserved and refrigerated along with all other samples collected in a specific field sampling trip. Prior to April 2003, duplicate samples were collected randomly and one bottle was analyzed by EPD using immunoassay and another bottle was analyzed by GDA using USEPA 525.2. The GDA laboratory values are considered to be the more definitive and accurate values in contrast with the immunoassay results, which are regarded as indicators for screening purposes. Any gross inconsistencies between the two tests were investigated, but small discrepancies were expected. All sample analyses are logged in a sample results notebook and entered into the Microsoft Access® database form.

Each well entry into the database includes the well ID number, date of sampling, well owner information including county of residence, latitude/longitude coordinates for the sampling location, immunoassay results (for those samples collected before April 2003), nitrate results (for those samples collected after August 2003), and the results for the four targeted pesticides determined by the USEPA Method used at the time of sample collection; currently, USEPA Method 525.2 . Database entry is by the individual responsible for sampling a particular well. Two associates periodically compare all entries to field notes and laboratory data sheets as a quality assurance check. After the complete data set for a well has been reviewed and any needed changes made to the database, the initials of the two individuals conducting the review are entered into the database to indicate that the review has taken place. Once the review has been completed the database is imported directly into ArcView® software and the sample distribution map (Figure 2) is generated.

RE-SAMPLE PROTOCOL AND REPORTING STATUS

In the vast majority of instances, if pesticides are not detected or if nitrates are not detected in concentrations at or above half the MCL, the well does not need to be re-sampled. The well owner is notified in writing of the sampling results within 60 days of the sampling event, however, wells are resampled for all pesticide detections of alachlor, atrazine, or simazine. For metolachlor detections (no MCL established), wells are resampled when concentrations are at or above 1 ppb. Wells are also resampled if nitrates are detected at concentrations greater than or equal to one half the MCL for nitrates. For resampling, analysis are performed only for the analytes detected during the initial sampling event. Upon resampling, a more descriptive data sheet is filled out that includes information about the condition of the well and land use of the area immediately surrounding the well (Appendix F).

If pesticides or nitrates are detected at concentrations greater than the drinking water MCL, EPD notifies the local county agricultural extension agent and the Director of the University of Georgia's Home/Farm *A* Syst program. EPD immediately calls the well owner and suggests the water not be used for drinking purposes. The owner is also advised to call the local county agricultural extension agent. A letter including these suggestions, a factsheet describing the contaminant, and copy of the test results are subsequently mailed to the owner. At the well owner's request, a representative of the Home/Farm *A* Syst program will conduct an on-site investigation of the well and surrounding area to try to identify the possible source of the contaminant and suggest corrective actions the well owner might take. EPD rules regulating drinking water quality apply to public water supplies, not to domestic wells, and the homeowner is so informed.

If pesticides are detected at concentrations below the drinking water MCL, the well owner is informed of the test results in writing, and is advised to call the county agricultural extension agent for further consultation.

If nitrate is detected at a concentration less than the MCL but greater than or equal to half the MCL, the well owner is notified in writing of the concentration and advised to contact the county extension agent. For nitrate detections less than half the MCL, the well owner is notified of that status in writing.

RESULTS

EPD sampled a total of 2,715 domestic wells from May 2000 through December 2003, 708 of which were sampled during calendar year (CY) 2003 (Appendix G). Prior to April 2003, random QA samples were collected for analysis by the GDA laboratory from 199 wells at the same time initial samples were collected for immunoassay tests. In August 2003, nitrate analysis began and 178 nitrate samples were collected through the end of December 2003. Of these 178 samples, 56 were determined to have nitrate concentrations above the LOQ. There were no target pesticide detections or nitrate detections above the MCLs from January 1 through December 31, 2003.

The following table lists all samples collected through CY 2003 that contained target pesticides.

		Immunoassay Original Sample		Immunoassay Resample		USEPA Method 507	
	Well ID	Pesticide	Concentration	Pesticide	Concentration	Pesticide	Concentration
2001	071-15	Alachlor	4.15	Alachlor	5	Alachlor	3.65*
	087-01	Alachlor	1.7	Alachlor	4.73	Alachlor	3.65*
	099-01	Metolachlor	1.1	Metolachlor	2.35	Metolachlor	2.09
	243-14	Atrazine	0.39	Atrazine	0.53	Atrazine	0.54
	263-11	Atrazine	0.64	Atrazine	0.1	Atrazine	0.22
	005-04	Alachlor	3.18	Not a Resample (1)		Alachlor	1.5
	005-11	Alachlor	2.75	Not a Resample (1)		Alachlor	6.2*
	243-26	Alachlor	1.37	Not a Resample (1)		Alachlor	1.22
2002	119-08	Metolachlor	0.07	Not a Resample (1)		Metolachlor	Trace
	125-02A	Metolachlor	0.05nd	Not a Resample (1)		Metolachlor	Trace
	125-02B	Metolachlor	0.07	Not a Resample (1)		Metolachlor	Trace
	125-06	Metolachlor	0.20	Metolachlor	0.6	Metolachlor	Trace
	125-07	Metolachlor	0.16	Not a Resample (1)		Metolachlor	Trace
	163-08	Alachlor	0.21	Alachlor	0.65	Alachlor	0.51
	241-06	Metolachlor	0.26	Metolachlor	0.07	Metolachlor	Trace
	303-11	Alachlor	0.14	Alachlor	0.01nd	Alachlor	0.11

Note: Concentrations are in parts per billion (ppb)
(1) indicates that pesticides were detected in the original immunoassay sample and the USEPA Method 507 duplicate sample collected at the same time; no resampling was undertaken for these seven wells.
* indicates a concentration in excess of maximum contaminant levels (MCLs) for public drinking water supplies

None of the four targeted pesticides were detected in any wells that were sampled in CY 2003. The table below lists all nitrate concentrations that were at or above half of the MCL. There were no nitrate MCL exceedances in CY 2003.

	Well ID	Nitrate (1)
2003	079-22	5.22
	159-28	5.37
	301-11	5.517
	161-09	6.636
	273-39	6.65
	121-28	7.5
	079-31	7.996
	045-40	8.04
	207-38	8.256
	079-35	8.759

Note: Conentrations are in parts per million (ppm)
(1) indicates that all concentrations were quantified using ion chromotography

In summary, none of the 708 wells sampled in 2003 contained one of the four targeted pesticides at confirmed concentrations greater than USEPA method 525.2 LOQ, nor did any samples that

were analyzed for nitrates (samples collected after August 2003) contain nitrates above the MCL of 10 ppm. For the duration of the project, the GGS has sampled a total of 2,715 wells and had a total of 16 (0.59 percent) confirmed pesticide detections; three of which (0.11 per cent) were above the drinking water MCLs. All 2,715 well owners were notified of the test results. The locations of all samples are provided in Figure 2.

DISCUSSION

USES AND TRADE NAMES OF THE FOUR TARGETED PESTICIDES

The following table provides a brief description of each of the four pesticides targeted in this study, the crops they are used on, and a list of commercial herbicides that contain them. Information contained in this table was obtained from EXTOXNET (The EXtension TOXicology NETwork), a web site that contains safety information for pesticides and fungicides. This information may or may not reflect current label requirements for these pesticides. The URL for this web site is http://ace.orst.edu/info/extoxnet.

Alachlor	Alachlor is an aniline herbicide used to control annual grasses and broadleaf weeds in field corn, soybeans, and peanuts. It is a selective systemic herbicide, absorbed by germinating shoots and by roots. Trade names of commercial herbicides containing alachlor include Alanex, Bronco, Cannon, Crop Star, Lariat, Lasso, and Partner. It mixes well with other herbicides such as Bullet, Freedom, and Rasta, and is found in mixed formulations with atrazine, glyphosate, trifluralin, and imazaquin.
Atrazine	Atrazine is a selective triazine herbicide used to control broadleaf and grassy weeds in corn, sorghum, sugarcane, pineapple, Christmas trees, and other crops, and in conifer reforestation plantings. It is also used as a nonselective herbicide on non-cropped industrial lands and on fallow lands. Trade names include Aatrex, Aktikon, Alazine, Atred, Atranex, Atrataf, Atratol, Azinotox, Crisazina, Farmco Atrazine, G-30027, Gesaprim, Giffex 4L, Malermais, Primatol, Simazat, and Zeapos.
Metolachlor	Metolachlor is usually applied to crops before plants emerge from the soil, and is used to control certain broadleaf and annual grassy weeds in field corn, soybeans, peanuts, grain sorghum, potatoes, pod crops, cotton, safflower, stone fruits, nut trees, highway rights-of-way and woody ornamentals. Trade names for products containing metolachlor include Bicep, CGA-24705, Dual, Pennant, and Pimagram. The compound may be used in formulations with other pesticides (often herbicides that control broad-leaved weeds) including atrazine, cyanazine, and fluometuron.
Simazine	Simazine is a selective triazine herbicide. It is used to control broad-leaved weeds and annual grasses in field, berry fruit, nuts, vegetable and ornamental crops, turfgrass, orchards, and vineyards. At higher rates, it is used for nonselective weed control in industrial areas. Trade names include Aquazine, Caliber, Cekusan, Cekusima, Framed, Gesatop, Primatol S, Princep, Simadex, Simanex, Sim-Trol, Tanzine and Totazine. This compound may also be found in formulations with other herbicides such as amitrole, paraquat dichloride, metolachlor, and atrazine.

Alachlor and atrazine are considered restricted use pesticides requiring licensed applicators. Metolachlor is a general use pesticide that may, in certain formulations, be classified as a restricted use pesticide. Simazine is a general use pesticide.

ACKNOWLEDGEMENTS

The Domestic Well Water Testing Project is primarily funded through a USEPA 319(h) Non-Point Source Grant managed by the Georgia Department of Natural Resources Environmental Protection Division. State matching funds are provided through the Geologic Survey Branch of the Georgia Department of Natural Resources, Environmental Protection Division. Additional funding has been provided through the Georgia Department of Agriculture.

FIGURES

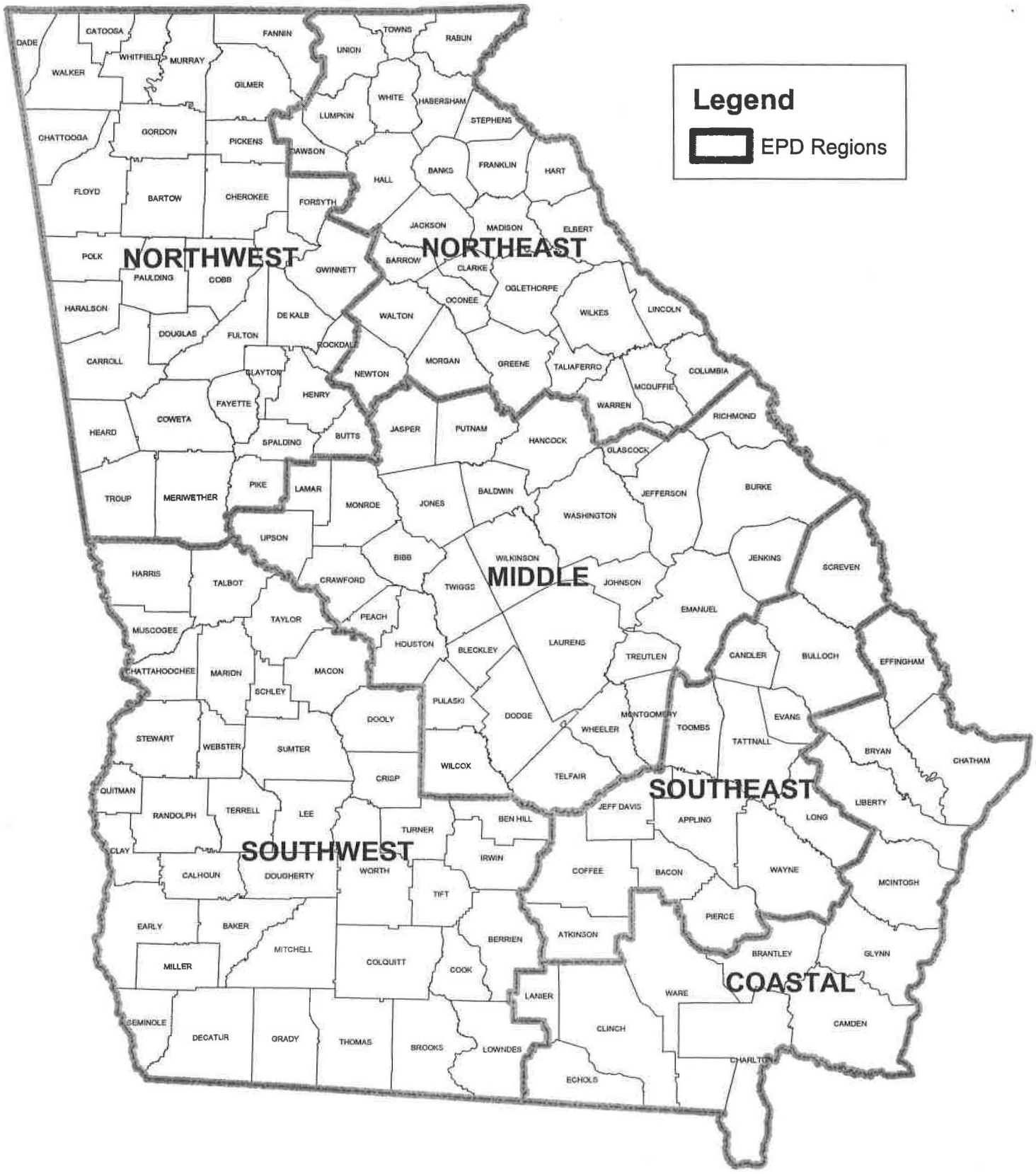

Figure 1: Sampling Regions for the Domestic Well Pesticide Sampling Project

Figure 2. Sample Distribution Map for the Domestic Well Pesticide Sampling Project, May 2000 through December 31, 2003

Legend

- ○ Indicates wells sampled (SY 2001) with analytical results below minimum detection limits for targeted pestcides
- ● Indicates wells (SY 2001) having confirmed concentrations of targeted pesticide(s) in excess of minimum detection limits
- △ Indicates wells sampled (SY 2002) with analytical results below minimum detection limits for targeted pestcides
- ▲ Indicates wells (SY 2002) having confirmed concentrations of targeted pesticide(s) in excess of minimum detection limits
- □ Indicates wells sampled (SY 2003) with analytical results below minimum detection limits for targeted pestcides and/or nitrates
- ■ Indicates wells sampled (SY 2003) with analytical results above half the maximum contaminant level for pesticides and/or nitrates

Text

0 20 40 80 120 160 Miles

N W E S

PESTICIDE DETECTIONS

	Well ID	Pesticide	Concentration	MCL
5/2000-12/2001	071-15	Alachlor	3.65*	2
	087-01	Alachlor	3.65*	2
	099-01	Metolachlor	2.09	Not established
	263-11	Atrazine	0.22	3
	005-04	Alachlor	1.5	2
	005-11	Alachlor	6.2*	2
	243-26	Alachlor	1.22	2
2002	119-08	Metolachlor	Trace	Not established
	125-02A	Metolachlor	Trace	Not established
	125-02B	Metolachlor	Trace	Not established
	125-06	Metolachlor	Trace	Not established
	125-07	Metolachlor	Trace	Not established
	163-08	Alachlor	0.51	2
	241-06	Metolachlor	Trace	Not established
	303-11	Alachlor	0.11	2

Note: Test Method used to confirm detections: EPA 507.
Concentrations are in parts per billion (ppb).
* indicates a concentration in excess of maximum contaminant levels (MCLs) for public drinking water supplies.

NITRATE DETECTIONS

	Well ID	Nitrate (1)
2003	079-22	5.22
	159-28	5.37
	301-11	5.517
	161-09	6.636
	273-39	6.65
	121-28	7.5
	079-31	7.996
	045-40	8.04
	207-38	8.256
	079-35	8.759

Note: Concentrations are in parts per million (ppm)
(1) Indicates that all concentrations were quantified using ion chromotography

APPENDIX A

Market Bulletin Article

APPENDIX A: Market Bulletin Article

Free Well-Water Testing for Pesticides
VOLUNTEERS NEEDED STATEWIDE

The Georgia Geologic Survey has begun a statewide groundwater quality survey in cooperation with the Georgia Department of Agriculture. The Survey is currently sampling private wells in Southwest Georgia. Homeowners residing in all counties except the coastal counties of Effingham, Chatham, Bryan, Liberty, McIntosh, Glynn, Camden, Brantley, Charlton, Ware, Clinch, Echols and Lanier, which draw drinking water from a confined aquifer are eligible to have their drinking-water tested free of charge.

Samples will be collected from shallow domestic drinking water wells and analyzed for the commonly used pesticides alachlor, atrazine, metolachlor, and simazine. There has been little evidence suggesting that the normal application and use of these pesticides are harmful to ground water in Georgia, and the testing is expected to confirm this. In the case of any detection of pesticides, the Geologic Survey will revisit and resample the well to confirm the analysis. The UGA Cooperative Extension Service has agreed to conduct an on-site environmental assessment, if requested by a well owner. The well owner will receive notification of the results of the analysis within thirty days of sample collection.
Water samples will be collected during daytime hours, Monday through Friday. The test requires a Geologic Survey representative to have access to an outside spigot, run the water for approximately 15-20 minutes, and collect a water sample. It is not necessary for the well owner to be present for the sampling event.

Only a limited number of wells can be sampled, approximately 40 per county. Interested well owners should mail a written request for water analysis to: Free Well-Water Testing for Pesticides, Georgia Geologic Survey, 19 Martin Luther King, Jr. Drive, Room 400, Atlanta, GA 30334. Please respond as soon as possible and include the following information: your name, address, telephone number, county, well depth, and brief directions to your home. Selected participants will be notified prior to testing. If you have any questions, please call Lora Overacre or Sue Grunwald at 404-656-3214.

APPENDIX B

Desired Coverage and Received Responses through December 31, 2003

COUNTY	REGION	SQUARE MILES	GRID (# of sq)	# SMPLD	# TO BE SMPLED	% COVER (# sq)	sq mi / 10	COVER (sq mi)	COUNTY	REGION	SQUARE MILES	GRID (# of sq)	# SMPLD	# TO BE SMPLED	% COVER (# sq)	sq mi / 10	COVER (sq mi)
Appling	SE	512	55	18	5	42	51	45	Dade	NW	175	15	2	0	13	18	11
Atkinson	SE	344	34	10	1	32	34	32	Dawson	NE	266	24	11	0	46	27	41
Bacon	SE	286	27	17	6	85	29	80	Decatur	SW	373	58	29	1	52	37	80
Baker	SW	348	38	26	0	68	35	75	Dekalb	NW	269	26	5	0	19	27	19
Baldwin	CE	268	31	17	0	55	27	63	Dodge	CE	505	59	22	0	37	51	44
Banks	NE	233	28	11	0	39	23	47	Dooly	SW	397	41	23	0	56	40	58
Barrow	NE	163	21	13	0	62	16	80	Dougherty	SW	334	32	21	0	66	33	63
Bartow	NW	470	42	14	0	33	47	30	Douglas	NW	201	21	16	0	76	20	80
Ben Hill	SW	253	29	14	0	48	25	55	Early	SW	518	48	31	0	65	52	60
Berrien	SW	457	46	21	0	46	46	46	Echols	CO	422	42	0	0	0	42	0
Bibb	CE	255	30	13	0	43	26	51	Effingham	CO	482	48	0	0	0	48	0
Bleckley	CE	219	27	17	0	63	22	78	Elbert	NE	374	41	18	0	44	37	48
Brantley	CO	444	44	0	0	0	44	0	Emanuel	CE	889	59	38	0	64	89	43
Brooks	SW	497	49	31	1	65	50	64	Evans	SE	192	19	9	0	47	19	47
Bryan	CO	453	45	0	1	2	45	2	Fannin	NW	390	26	10	0	38	39	26
Bulloch	SE	688	68	30	3	49	69	48	Fayette	NW	200	21	19	0	90	20	95
Burke	CE	834	75	27	0	36	83	32	Floyd	NW	520	43	24	0	56	52	46
Butts	NW	190	24	17	0	71	19	89	Forsyth	NW	247	19	14	0	74	25	57
Calhoun	SW	284	28	19	0	68	28	67	Franklin	NE	266	35	12	0	34	27	45
Camden	CO	640	64	0	0	0	64	0	Fulton	NW	534	55	24	0	44	53	45
Candler	SE	249	25	11	4	60	25	60	Gilmer	NW	431	29	9	0	31	43	21
Carroll	NW	503	54	32	0	59	50	64	Glascock	CE	144	20	15	1	80	14	111
Catoosa	NW	162	15	3	0	20	16	19	Glynn	CO	457	45	0	0	0	46	0
Charlton	CO	782	78	0	0	0	78	0	Gordon	NW	355	33	16	0	48	36	45
Chatham	CO	200	20	0	0	0	20	0	Grady	SW	460	40	20	0	50	46	43
Chattahooc	SW	253	7	1	0	14	25	4	Greene	NE	403	43	15	0	35	40	37
Chattooga	NW	313	22	5	0	23	31	16	Gwinnett	NW	436	42	15	0	36	44	34
Cherokee	NW	414	42	20	0	48	41	48	Habershan	NE	543	32	8	0	25	54	15
Clarke	NE	125	17	4	0	24	13	32	Hall	NE	427	52	15	0	29	43	35
Clay	SW	217	23	10	0	43	22	46	Hancock	CE	478	53	18	4	42	48	46
Clayton	NW	148	16	10	0	63	15	68	Haralson	NW	283	25	8	1	36	28	32
Clinch	CO	824	82	0	0	0	82	0	Harris	SW	473	48	11	0	23	47	23
Cobb	NW	346	29	10	0	34	35	29	Hart	NE	257	32	16	0	50	26	62
Coffee	SE	602	58	23	0	40	60	38	Heard	NW	301	33	19	0	58	30	63
Colquitt	SW	557	59	29	1	51	56	54	Henry	NW	321	40	25	0	63	32	78
Columbia	NE	307	33	9	0	27	31	29	Houston	CE	380	39	15	0	38	38	39
Cook	SW	675	22	13	0	59	68	19	Irwin	SW	363	36	27	0	75	36	74
Coweta	NW	448	50	25	0	50	45	56	Jackson	NE	342	42	22	0	52	34	64
Crawford	CE	328	33	25	0	76	33	76	Jasper	CE	273	36	21	0	58	27	77
Crisp	SW	280	31	17	0	55	28	61	Jeff Davis	SE	336	33	17	3	61	34	60

COUNTY	REGION	SQUARE MILES	GRID (# of sq)	# SMPLD	# TO BE SMPLED	% COVER (# sq)	sq mi / 10	COVER (sq mi)
Jefferson	CE	532	53	29	0	55	53	55
Jenkins	CE	352	29	8	8	55	35	45
Johnson	CE	306	24	9	0	38	31	29
Jones	CE	394	26	15	0	58	39	38
Lamar	CE	186	21	16	0	76	19	86
Lanier	CO	200	18	6	0	33	20	30
Laurens	CE	817	73	26	0	36	82	32
Lee	SW	362	42	31	0	74	36	86
Liberty	CO	541	54	0	0	0	54	0
Lincoln	NE	258	26	15	0	58	26	58
Long	SE	403	40	8	0	20	40	20
Lowndes	SW	511	51	25	0	49	51	49
Lumpkin	NE	288	32	14	0	44	29	49
McDuffie	NE	253	31	9	2	35	25	43
McIntosh	CO	478	47	0	0	0	48	0
Macon	SW	399	39	12	0	31	40	30
Madison	NE	281	30	21	1	73	28	78
Marion	SW	366	38	14	0	37	37	38
Meriwether	NW	506	57	31	1	56	51	63
Miller	SW	283	32	19	0	59	28	67
Mitchell	SW	513	62	37	0	60	51	72
Monroe	CE	397	43	35	0	81	40	88
Montgome	CE	244	21	11	0	52	24	45
Morgan	NE	357	37	23	0	62	36	64
Murray	NW	347	27	13	0	48	35	37
Muscogee	SW	221	14	4	0	29	22	18
Newton	NE	279	36	23	0	64	28	82
Oconee	NE	187	24	9	0	38	19	48
Oglethorpe	NE	441	49	22	6	57	44	63
Paulding	NW	312	32	10	0	31	31	32
Peach	CE	151	16	15	0	94	15	99
Pickens	NW	232	25	9	0	36	23	39
Pierce	SE	342	31	16	1	55	34	50
Pike	NW	219	27	20	0	74	22	91
Polk	NW	312	31	11	0	35	31	35
Pulaski	CE	257	30	18	0	60	26	70
Putnam	CE	339	35	16	0	46	34	47
Quitman	SW	170	18	6	0	33	17	35
Rabun	NE	377	31	12	1	42	38	34
Randolph	SW	431	47	23	0	49	43	53
Richmond	CE	329	25	9	0	36	33	27
Rockdale	NW	132	15	13	0	87	13	98
Schley	SW	162	22	15	0	68	16	93
Screven	SE	655	59	19	1	34	66	31
Seminole	SW	256	28	15	0	54	26	59
Spalding	NW	200	24	18	1	79	20	95
Stephens	NE	184	24	2	0	8	18	11
Stewart	SW	463	44	21	0	48	46	45
Sumter	SW	485	58	39	0	67	49	80
Talbot	SW	396	36	16	0	44	40	40
Taliaferro	NE	195	22	7	1	36	20	41
Tattnall	SE	487	44	11	12	52	49	47
Taylor	SW	382	38	26	0	68	38	68
Telfair	CE	444	40	5	4	23	44	20
Terrell	SW	337	36	28	0	78	34	83
Thomas	SW	552	57	22	0	39	55	40
Tift	SW	268	24	16	0	67	27	60
Toombs	SE	372	35	22	4	74	37	70
Towns	NE	171	16	2	0	13	17	12
Treutlen	CE	202	17	10	0	59	20	50
Troup	NW	447	45	22	0	49	45	49
Turner	SW	289	31	18	0	58	29	62
Twiggs	CE	363	32	15	0	47	36	41
Union	NE	330	37	9	0	24	33	27
Upson	CE	325	39	23	0	59	33	71
Walker	NW	445	41	6	0	15	45	13
Walton	NW	330	30	26	0	87	33	79
Ware	CO	906	90	4	2	7	91	7
Warren	NE	286	32	11	1	38	29	42
Washingto	CE	684	71	27	6	46	68	48
Wayne	SE	648	61	14	1	25	65	23
Webster	SW	210	22	11	0	50	21	52
Wheeler	CE	306	22	13	0	59	31	42
White	NE	242	22	12	0	55	24	50
Whitfield	NW	290	26	7	0	27	29	24
Wilcox	CE	383	40	14	0	35	38	37
Wilkes	NE	473	51	17	0	33	47	36
Wilkinson	CE	452	41	32	0	78	45	71
Worth	SW	576	61	36	0	59	58	63

APPENDIX C

Field Data Sheet

FREE WELL WATER TESTING FOR PESTICIDES:

FIELD DATA SHEET

WELL ID _____

COUNTY _____

WELL OWNER _____

DATE _____

MEASUREMENTS BY _____

LATITUDE _____

LONGITUDE _____

Spigot location: _____

TIME	pH (std. units)	SPEC. COND. (mS)	TEMP. (degrees C)

The acidity (pH) of water is measured on a scale of 0 to 14. Values of pH less than 7.0 denote acidity and values greater than 7.0 indicate alkalinity. Corrosiveness of water generally increases with decreasing pH. However, excessively alkaline waters may also attack metals. A pH range between 6.0 and 8.5 generally is considered acceptable.

Specific conductivity is a measure of the ability of water to transmit an electric current an indirect measurement of the total dissolved solids content of the water. Water with a negligible total dissolved solids concentration will have a low specific conductivity. The specific conductivity of potable water normally ranges from 0.05 to 1.5mS.

Typical ambient temperatures of ground water used for drinking water supply in southern Georgia range from 18°C to 22°C.

APPENDIX D

Chain of Custody Form

Georgia Department of Agriculture

Tifton Laboratory Building
3150 US HWY 41 South
Tifton, Georgia 31793

Thomas T. Irvin
Commissioner

Ground Water Sample Collection Report: Domestic Well Water Project

Chain of Custody Record

Well Name _____ Well ID _____

Sample Description (check one): Well _____ Stream _____ Spring ____

Sampling Time _____ (24 hr) Sampling Date _____ (mm/dd/yyyy)

Collector Name: LO MB TM DH (circle one) Agency: Environmental Protection Dept. Geological Survey

Field pH _____ (Std. Units)

Screen(s) Requested (check all applicable):
EPA Mtd 525.2 _____ EPA Mtd 507/508_____ Nitrate _____

Collection containers:
EPA Method 507/508 and 525.2-1000 ml (approx.) collected as one sample in one 1-liter amber glass bottle containing 80mg of sodium thiosulfate;
Nitrate-~60ml

Sample additives:
EPA methods 507-508 and Nitrate . . . .**none**
EPA 525.2 method . . . . . 5ml of 6N hydrochloric acid

Transfer Section:

Deliverer's Initials	Condition of samples (i.e., broken bottle, leaks)	temperature C°	Receiver's Initials

Comments: _____

Agr.Statecourier

Comments: _____

Laboratory Section:
Date received: ___/___/___ Time: _____:_____ (24hrs)

Laboratory Numbers:GW-04-_____& GW-04-_____
Comments: _____

APPENDIX E

Excerpt from USEPA Method 525.2 manual

METHOD 525.2

DETERMINATION OF ORGANIC COMPOUNDS IN DRINKING WATER BY LIQUID-SOLID EXTRACTION AND CAPILLARY COLUMN GAS CHROMATOGRAPHY/MASS SPECTROMETRY

1.0 SCOPE AND APPLICATION

1.1 This is a general purpose method that provides procedures for determination of organic compounds in finished drinking water, source water, or drinking water in any treatment stage. The method is applicable to a wide range of organic compounds that are efficiently partitioned from the water sample onto a C_{18} organic phase chemically bonded to a solid matrix in a disk or cartridge, and sufficiently volatile and thermally stable for gas chromatography. Single-laboratory accuracy and precision data have been determined with two instrument systems using both disks and cartridges for the following compounds:

Analyte	MW [1]	Chemical Abstracts Service Registry Number
Acenaphthylene	152	208-96-8
Alachlor	269	15972-60-8
Aldrin	362	309-00-2
Ametryn	227	834-12-8
Anthracene	178	120-12-7
Atraton	211	1610-17-9
Atrazine	215	1912-24-9
Benz[a]anthracene	228	56-55-3
Benzo[b]fluoranthene	252	205-82-3
Benzo[k]fluoranthene	252	207-08-9
Benzo[a]pyrene	252	50-32-8
Benzo[g,h,i]perylene	276	191-24-2
Bromacil	260	314-40-9
Butachlor	311	23184-66-9
Butylate	217	2008-41-5
Butylbenzylphthalate	312	85-68-7
Carboxin [2]	235	5234-68-4
Chlordane components:		
Alpha-chlordane	406	5103-71-9
Gamma-chlordane	406	5103-74-2
Trans nonachlor	440	39765-80-5
Chlorneb	206	2675-77-6
Chlorobenzilate	324	510-15-6
Chlorpropham	213	101-21-3
Chlorothalonil	264	1897-45-6
Chlorpyrifos	349	2921-88-2

Analyte	MW [1]	Chemical Abstracts Service Registry Number
2-Chlorobiphenyl	188	2051-60-7
Chrysene	228	218-01-9
Cyanazine	240	21725-46-2
Cycloate	215	1134-23-2
Dacthal(DCPA)	330	1861-32-1
DDD, 4,4'-	318	72-54-8
DDE, 4,4'-	316	72-55-9
DDT, 4,4'-	352	50-29-3
Diazinon [2]	304	333-41-5
Dibenz[a,h]anthracene	278	53-70-3
Di-n -butylphthalate	278	84-74-2
2,3-Dichlorobiphenyl	222	16605-91-7
Dichlorvos	220	62-73-7
Dieldrin	378	60-57-1
Diethylphthalate	222	84-66-2
Di(2-ethylhexyl)adipate	370	103-23-1
Di(2-ethylhexyl)phthalate	390	117-81-7
Dimethylphthalate	194	131-11-3
2,4-Dinitrotoluene	182	121-14-2
2,6-Dinitrotoluene	182	606-20-2
Diphenamid	239	957-51-7
Disulfoton [2]	274	298-04-4
Disulfoton sulfoxide [2]	290	2497-07-6
Disulfoton sulfone	306	2497-06-5
Endosulfan I	404	959-98-8
Endosulfan II	404	33213-65-9
Endosulfan sulfate	420	1031-07-8
Endrin	378	72-20-8
Endrin aldehyde	378	7421-93-4
EPTC	189	759-94-4
Ethoprop	242	13194-48-4
Etridiazole	246	2593-15-9
Fenamiphos [2]	303	22224-92-6
Fenarimol	330	60168-88-9
Fluorene	166	86-73-7
Fluridone	328	59756-60-4
Heptachlor	370	76-44-8
Heptachlor epoxide	386	1024-57-3
2,2',3,3',4,4',6-Heptachloro-biphenyl	392	52663-71-5
Hexachlorobenzene	282	118-74-1
2,2',4,4',5,6'-Hexachlorobiphenyl	358	60145-22-4
Hexachlorocyclohexane, alpha	288	319-84-6
Hexachlorocyclohexane, beta	288	319-85-7
Hexachlorocyclohexane, delta	288	319-86-8

Analyte	MW [1]	Chemical Abstracts Service Registry Number
Hexachlorocyclopentadiene	270	77-47-4
Hexazinone	252	51235-04-2
Indeno[1,2,3,c,d]pyrene	276	193-39-5
Isophorone	138	78-59-1
Lindane	288	58-89-9
Merphos [2]	298	150-50-5
Methoxychlor	344	72-43-5
Methyl paraoxon	247	950-35-6
Metolachlor	283	51218-45-2
Metribuzin	214	21087-64-9
Mevinphos	224	7786-34-7
MGK 264	275	113-48-4
Molinate	187	2212-67-1
Napropamide	271	15299-99-7
Norflurazon	303	27314-13-2
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	426	40186-71-8
Pebulate	203	1114-71-2
2,2',3',4,6-Pentachlorobiphenyl	324	60233-25-2
Pentachlorophenol	264	87-86-5
Phenanthrene	178	85-01-8
Permethrin, cis-	390	54774-45-7
Permethrin, trans	390	51877-74-8
Prometon	225	1610-18-0
Prometryn	241	7287-19-6
Pronamide	255	23950-58-5
Propachlor	211	1918-16-7
Propazine	229	139-40-2
Pyrene	202	129-00-0
Simazine	201	122-34-9
Simetryn	213	1014-70-6
Stirofos	364	22248-79-9
Tebuthiuron	228	34014-18-1
Terbacil	216	5902-51-2
Terbufos [2]	288	13071-79-9
Terbutryn	241	886-50-0
2,2',4,4'-Tetrachlorobiphenyl	290	2437-79-8
Toxaphene		8001-35-2
Triademefon	293	43121-43-3
2,4,5-Trichlorobiphenyl	256	15862-07-4
Tricyclazole	189	41814-78-2
Trifluralin	335	1582-09-8
Vernolate	203	1929-77-7
Aroclor 1016		12674-11-2
Aroclor 1221[3]		11104-28-2

Analyte	MW [1]	Chemical Abstracts Service Registry Number
Aroclor 1232[3]		11141-16-5
Aroclor 1242[3]		53469-21-9
Aroclor 1248[3]		12672-29-6
Aroclor 1254		11097-69-1
Aroclor 1260		11096-82-5

[1]Monoisotopic molecular weight calculated from the atomic masses of the isotopes with the smallest masses.
[2]Only qualitative identification of this analyte is possiblebecause of its instability in aqueous matrices. Merphos, carboxin, disulfoton, and disulfoton sulfoxide showed instability within one hour of fortification. Diazinon, fenamiphos, and terbufos showed significant losses within seven days under the sample storage conditions specified in this method.
[3]This method was validated using Aroclors 1016, 1254, and 1260 which were selected to represent these Aroclors. The extraction conditions and determinative techniques should produce accuracy and precision data comparable to those for the Aroclors tested.

Attempting to determine all of the above analytes in all samples is not practical and not necessary in most cases. If all the analytes must be determined, multiple calibration mixtures will be required.

1.2 Method detection limit (MDL) is defined as the statistically calculated minimum amount that can be measured with 99% confidence that the reported value is greater than zero[1]. The MDL is compound dependent and is particularly dependent on extraction efficiency and sample matrix. MDLs for all method analytes are listed in Tables 3 through 6. These MDLs are not necessarily required by regulation, but were demonstrated in the validation of the method. The concentration calibration range demonstrated in this method is 0.1-10 g/L for most analytes.

2.0 SUMMARY OF METHOD

Organic compound analytes, internal standards, and surrogates are extracted from a water sample by passing 1 L of sample water through a cartridge or disk containing a solid matrix with a chemically bonded C_{18} organic phase (liquid-solid extraction, LSE). The organic compounds are eluted from the LSE cartridge or disk with small quantities of ethyl acetate followed by methylene chloride, and this extract is concentrated further by evaporation of some of the solvent. The sample components are separated, identified, and measured by injecting an aliquot of the concentrated extract into a high resolution fused silica capillary column of a gas chromatography/mass spectrometry (GC/MS) system. Compounds eluting from the GC column are identified by comparing their measured mass spectra and retention times to reference spectra and retention times in a data base. Reference spectra and retention times for analytes are obtained by the measurement of calibration standards

APPENDIX F

Resample Data Sheet

Georgia Geologic Survey: Environmental Protection Division
DOMESTIC WELL WATER TESTING FOR PESTICIDES
RE-SAMPLE DATA

COUNTY(fips code):_____(_____) DATE:_____
WELL ID #:_____ OBSERVER:_____
WELL OWNER:_____
ADDRESS:_____
_____

				RE-SAMPLE LABORATORY RESULTS			
TIME	DEPTH	pH	TEMP (C)	Alachlor (ppb)	Atrazine (ppb)	Metolachlor (ppb)	Simazine (ppb)

COMMENTS:_____
_____

WELL HEAD CONDITION AND LAND USE INVENTORY

LOCATION OF SPIGOT	DIST. FROM WELL

CONDITION OF WELL:

	PRESENT	DAMAGED	ABSENT	Comments
Cement Pad				
Well House				

LANDSCAPE SURROUNDING WELL:

						Comments
	Grass		Ditch		Cultivated Field	
	Dirt		Stream		Garden	
	Trees		Pond			

LAND USE WITHIN 50 METERS OF WELL:

						Comments
	Pesticide Mix/Stg.		Crop Farming		V. Parking	
	Waste Disposal		Animal Enclosures			
	Machinery		Irrigation			
	Debris		Industry			

APPENDIX G

Summary Information for Domestic Wells Sampled from January 2003 through December 2003

Well ID	County	Well Depth (ft)	Latitude	Longitude	Initial Visit Date	Types of Pesticide Analysis (1)	USEPA Method 525.2	Nitrate (ppm)
007-25	Baker	70	31 08 27.80	84 32 04.30	6/30/03		Below Detection Limits	
007-27	Baker	unk	31 22 35.00	84 34 41.10	7/1/03		Below Detection Limits	
007-28	Baker	unk	31 19 21.90	84 22 17.60	6/30/03		Below Detection Limits	
007-29	Baker	80	31 16 45.30	84 37 56.20	7/1/03		Below Detection Limits	
007-34	Baker	187	31 17 06.70	84 33 59.70	7/1/03		Below Detection Limits	
007-36	Baker	96	31 06 50.30	84 31 13.20	6/30/03		Below Detection Limits	
007-41	Baker	100	31 07 55.20	84 31 44.40	6/30/03		Below Detection Limits	
007-42	Baker	100	31 20 20.10	84 33 20.90	7/1/03		Below Detection Limits	
013-04	Barrow	unk	34 00 15.36	83 45 15.66	2/3/03		Below Detection Limits	
013-18	Barrow	unk	34 00 17.22	83 34 14.88	2/3/03		Below Detection Limits	
013-20	Barrow	500	34 05 30.90	83 48 40.50	2/3/03	IA Only	Not Analyzed	
013-23	Barrow	unk	34 02 34.44	83 41 39.18	2/3/03	IA Only	Not Analyzed	
013-24	Barrow	200	34 02 54.00	83 47 33.18	2/3/03		Below Detection Limits	
015-07	Bartow	unk	34 23 18.72	84 44 04.86	7/28/03		Below Detection Limits	
015-09	Bartow	unk	34 13 20.88	84 48 15.60	7/25/03		Below Detection Limits	
015-16	Bartow	unk	34 05 40.26	84 46 14.46	6/17/03		Below Detection Limits	
015-17	Bartow	180	34 05 39.78	84 46 15.78	6/17/03		Below Detection Limits	
015-21	Bartow	300	34 23 11.70	84 54 01.98	6/23/03		Below Detection Limits	
015-22	Bartow	240	34 24 53.16	84 41 27.66	5/20/03		Below Detection Limits	
015-23	Bartow	unk	34 18 15.06	84 56 24.00	5/19/03		Below Detection Limits	
015-25	Bartow	350	34 21 55.28	84 46 16.80	5/19/03		Below Detection Limits	
015-26	Bartow	83	34 22 30.78	84 47 29.76	6/17/03		Below Detection Limits	
021-05	Bibb	unk	32 51 27.30	83 43 25.60	10/7/03		Below Detection Limits	Trace
021-07	Bibb	unk	32 49 39.80	83 49 03.40	10/7/03		Below Detection Limits	Below Detection Limits
021-11	Bibb	240	32 50 17.20	83 32 06.00	10/7/03		Below Detection Limits	Trace
021-12	Bibb	127	32 40 58.70	83 38 06.40	10/7/03		Below Detection Limits	Trace
021-13	Bibb	180	32 46 32.40	83 45 42.50	10/7/03		Below Detection Limits	Trace
021-14	Bibb	185	32 53 28.10	83 47 54.60	10/7/03		Below Detection Limits	Below Detection Limits
037-25	Calhoun	80	31 30 57.90	84 35 44.60	7/1/03		Below Detection Limits	
045-01	Carroll	unk	33 42 23.00	85 04 28.00	2/18/03	IA/QA Samples	Below Detection Limits	

045-02A	Carroll	unk	33 31 17.70	84 50 00.40	2/17/03	IA/QA Samples	Below Detection Limits	
045-02B	Carroll	unk	33 31 17.70	84 50 00.40	2/17/03	IA/QA Samples	Below Detection Limits	
045-03	Carroll	unk	33 39 36.90	84 58 56.90	2/24/03	IA/QA Samples	Below Detection Limits	
045-04	Carroll	unk	33 48 18.10	85 01 04.00	2/24/03	IA/QA Samples	Below Detection Limits	
045-05	Carroll	unk	33 36 03.40	85 05 36.70	2/18/03	IA/QA Samples	Below Detection Limits	
045-07	Carroll	unk	33 37 38.30	85 05 58.50	2/24/03	IA/QA Samples	Below Detection Limits	
045-08	Carroll	unk	33 46 31.30	84 55 14.20	2/18/03	IA/QA Samples	Below Detection Limits	
045-09	Carroll	unk	33 27 15.40	85 16 03.60	3/25/03	IA/QA Samples	Below Detection Limits	
045-11	Carroll	unk	33 43 52.70	84 59 13.30	2/18/03	IA/QA Samples	Below Detection Limits	
045-12	Carroll	unk	33 31 31.70	85 12 31.10	2/18/03	IA/QA Samples	Below Detection Limits	
045-13	Carroll	unk	33 35 27.20	85 00 45.10	2/18/03	IA/QA Samples	Below Detection Limits	
045-14	Carroll	unk	33 28 56.10	85 14 12.80	2/18/03	IA/QA Samples	Below Detection Limits	
045-15	Carroll	unk	33 31 54.40	85 06 30.60	2/18/03	IA/QA Samples	Below Detection Limits	
045-16	Carroll	30	33 42 45.50	84 55 30.10	3/25/03	IA/QA Samples	Below Detection Limits	
045-17	Carroll	unk	33 30 31.40	85 02 30.90	2/24/03	IA/QA Samples	Below Detection Limits	
045-19	Carroll	unk	33 47 17.40	85 00 30.90	2/18/03	IA/QA Samples	Below Detection Limits	
045-20	Carroll	unk	33 39 01.80	84 57 15.90	2/18/03	IA/QA Samples	Below Detection Limits	
045-22	Carroll	56	33 34 08.70	84 50 24.80	2/17/03	IA/QA Samples	Below Detection Limits	
045-23	Carroll	unk	33 31 08.10	85 06 44.70	3/25/03	IA/QA Samples	Below Detection Limits	
045-24	Carroll	50	33 29 49.10	84 59 16.70	3/24/03	IA/QA Samples	Below Detection Limits	
045-25	Carroll	130	33 26 54.50	85 01 19.30	3/24/03	IA/QA Samples	Below Detection Limits	
045-26	Carroll	260	33 33 16.00	84 59 04.20	3/24/03	IA/QA Samples	Below Detection Limits	
045-27	Carroll	unk	33 34 17.20	84 57 16.30	3/24/03	IA/QA Samples	Below Detection Limits	
045-28	Carroll	200	33 46 07.50	84 54 07.60	3/25/03	IA/QA Samples	Below Detection Limits	
045-29	Carroll	119	33 33 25.60	84 59 37.70	3/24/03	IA/QA Samples	Below Detection Limits	
045-30	Carroll	300	33 28 18.40	85 01 07.80	3/24/03	IA/QA Samples	Below Detection Limits	
045-33	Carroll	40	33 25 48.30	85 13 28.10	8/5/03		Below Detection Limits	3.510
045-35A	Carroll	130	33 41 06.40	85 01 00.30	8/5/03		Below Detection Limits	Trace
045-35B	Carroll	175	33 41 06.40	85 01 00.30	8/5/03		Below Detection Limits	Trace
045-36	Carroll	140	33 39 21.10	85 14 15.10	8/5/03		Below Detection Limits	Trace
045-37	Carroll	unk	33 38 12.30	85 15 56.50	8/5/03		Below Detection Limits	Trace
045-38	Carroll	390	33 26 29.70	85 05 33.50	8/5/03		Below Detection Limits	Below Detection Limits
045-39	Carroll	unk	33 32 06.10	85 10 29.50	8/5/03		Below Detection Limits	1.930

045-40	Carroll	unk	33 39 32.80	85 12 22.60	8/5/03		Below Detection Limits	8.040
053-01	Chattahoochee	180	32 18 00.70	84 42 23.00	3/31/03		Below Detection Limits	
055-04	Chattooga	unk	34 34 03.72	85 17 32.94	7/7/03		Below Detection Limits	
055-06	Chattooga	70	34 28 03.84	85 21 22.38	7/7/03		Below Detection Limits	
055-09	Chattooga	102	34 26 06.30	85 21 21.72	7/7/03		Below Detection Limits	
057-08	Cherokee	unk	34 06 43.62	84 27 16.50	6/16/03		Below Detection Limits	
057-10	Cherokee	unk	34 04 34.26	84 25 39.78	7/25/03		Below Detection Limits	
057-16	Cherokee	165	34 07 32.10	84 24 34.50	6/16/03		Below Detection Limits	
057-17	Cherokee	165	34 05 34.20	84 31 12.78	6/16/03		Below Detection Limits	
057-21	Cherokee	225	34 16 22.02	84 26 38.28	6/23/03		Below Detection Limits	
057-22	Cherokee	80	34 10 18.12	84 32 45.66	4/21/03		Below Detection Limits	
057-23	Cherokee	800	34 20 00.24	84 34 33.78	4/21/03		Below Detection Limits	
057-24	Cherokee	400	34 21 34.56	84 35 24.78	7/28/03		Below Detection Limits	
057-25	Cherokee	55	34 21 36.60	84 28 38.40	4/22/03		Below Detection Limits	
057-26	Cherokee	unk	34 10 24.70	84 32 49.10	9/30/03		Below Detection Limits	1.130
063-02	Clayton	unk	33 31 42.20	84 20 29.40	3/18/03	IA/QA Samples	Below Detection Limits	
063-03	Clayton	unk	33 25 25.40	84 22 22.40	3/18/03	IA/QA Samples	Below Detection Limits	
063-04	Clayton	unk	33 24 04.70	84 22 18.00	3/18/03	IA/QA Samples	Below Detection Limits	
063-05A	Clayton	unk	33 26 15.50	84 19 02.30	3/18/03	IA/QA Samples	Below Detection Limits	
063-05B	Clayton	600	33 26 15.50	84 19 02.30	3/18/03	IA/QA Samples	Below Detection Limits	
063-06	Clayton	200	33 33 36.50	84 23 32.90	3/18/03	IA/QA Samples	Below Detection Limits	
063-07	Clayton	405	33 30 18.10	84 22 08.90	3/18/03	IA/QA Samples	Below Detection Limits	
063-08	Clayton	165	33 34 44.80	84 27 16.70	3/18/03	IA/QA Samples	Below Detection Limits	
063-09	Clayton	120	33 33 36.30	84 23 31.40	3/18/03	IA/QA Samples	Below Detection Limits	
063-10	Clayton	200	33 36 47.10	84 18 22.60	3/18/03	IA/QA Samples	Below Detection Limits	
067-01	Cobb	104	33 55 28.90	84 39 49.00	3/24/03	IA/QA Samples	Below Detection Limits	
067-03	Cobb	125	33 59 15.80	84 39 51.70	3/24/03	IA/QA Samples	Below Detection Limits	
067-04	Cobb	300	33 52 34.80	84 38 19.40	3/24/03	IA/QA Samples	Below Detection Limits	
067-05	Cobb	unk	33 54 20.20	84 41 13.70	3/24/03		Below Detection Limits	
067-07	Cobb	unk	33 59 54.20	84 38 18.10	3/24/03	IA/QA Samples	Below Detection Limits	
067-09	Cobb	200	34 00 20.16	84 32 08.10	4/8/03		Below Detection Limits	
067-10	Cobb	unk	33 56 19.50	84 42 49.68	3/24/03	IA/QA Samples	Below Detection Limits	
067-11	Cobb	unk	33 58 42.30	84 85 50.40	3/24/03	IA/QA Samples	Below Detection Limits	

067-12	Cobb	unk	33 59 37.86	84 24 16.68	4/8/03		Below Detection Limits	
067-13	Cobb	unk	33 56 49.60	84 39 04.20	3/24/03	IA/QA Samples	Below Detection Limits	
067-14	Cobb	unk	33 53 00.70	84 34 29.10	4/8/03		Below Detection Limits	
067-15	Cobb	unk	33 50 17.80	84 43 16.50	3/24/03	IA/QA Samples	Below Detection Limits	
067-16	Cobb	unk	33 59 44.60	84 31 22.80	4/8/03		Below Detection Limits	
067-17	Cobb	100	34 01 34.98	84 44 10.86	3/24/03	IA/QA Samples	Below Detection Limits	
067-18	Cobb	270	34 04 23.60	84 27 18.10	4/8/03		Below Detection Limits	
071-31	Colquitt	450	31 19 53.00	83 51 52.20	2/26/03	IA/QA Samples	Below Detection Limits	
071-32	Colquitt	300	31 10 08.10	83 34 28.80	9/29/03		Below Detection Limits	Below Detection Limits
071-33	Colquitt	532	31 14 18.00	83 54 14.60	9/29/03		Below Detection Limits	Below Detection Limits
071-34	Colquitt	210	31 04 41.60	83 41 16.20	9/29/03		Below Detection Limits	Below Detection Limits
071-35	Colquitt	638	31 14 06.60	83 52 14.50	9/29/03		Below Detection Limits	Below Detection Limits
071-36	Colquitt	200	31 04 55.50	83 41 16.60	9/29/03		Below Detection Limits	Below Detection Limits
071-37	Colquitt	unk	31 17 30.60	83 34 21.10	8/20/03		Below Detection Limits	Below Detection Limits
077-38	Coweta	200	33 19 44.30	84 32 16.60	12/2/03		Below Detection Limits	Below Detection Limits
077-39	Coweta	unk	33 13 58.30	84 32 49.90	12/2/03		Below Detection Limits	Trace
079-04	Crawford	unk	32 39 08.80	83 55 01.60	3/31/03		Below Detection Limits	
079-16	Crawford	600	32 49 37.30	84 00 25.20	4/1/03		Below Detection Limits	
079-17	Crawford	45	32 39 13.30	84 01 29.40	3/31/03		Below Detection Limits	
079-19	Crawford	unk	32 44 28.90	84 03 52.50	10/21/03		Below Detection Limits	Below Detection Limits
079-20	Crawford	300	32 49 55.60	83 55 39.40	10/21/03		Below Detection Limits	Below Detection Limits
079-22	Crawford	unk	32 50 50.60	84 06 29.80	10/21/03		Below Detection Limits	5.220
079-24	Crawford	805	32 49 20.60	84 04 09.80	10/21/03		Below Detection Limits	Trace
079-25A	Crawford	280	32 48 04.90	84 00 29.70	10/21/03		Below Detection Limits	Below Detection Limits
079-25B	Crawford	280	32 48 04.90	84 00 29.70	10/21/03		Below Detection Limits	1.380
079-26	Crawford	525	32 49 35.70	83 57 50.40	10/21/03		Below Detection Limits	Below Detection Limits
079-30	Crawford	200	32 37 21.20	83 52 34.30	10/21/03		Below Detection Limits	1.625
079-31	Crawford	unk	32 45 29.00	84 00 52.20	10/21/03		Below Detection Limits	7.996
079-32	Crawford	200	32 39 51.50	83 51 37.70	10/21/03		Below Detection Limits	1.495
079-33	Crawford	unk	32 45 53.20	84 02 08.20	10/21/03		Below Detection Limits	1.12
079-34	Crawford	300+	32 48 18.60	83 54 59.20	10/21/03		Below Detection Limits	Below Detection Limits
079-35	Crawford	100	32 41 32.90	84 05 33.20	10/21/03		Below Detection Limits	8.759
081-22	Crisp	unk	31 57 17.80	83 50 35.00	7/28/03		Below Detection Limits	

081-25	Crisp	120	31 56 50.10	83 46 15.20	7/28/03		Below Detection Limits	2.230
085-04	Dawson	unk	34 20 25.10	84 11 03.10	3/12/03	IA/QA Samples	Below Detection Limits	
089-02	Dekalb	175	33 50 21.30	84 08 33.12	1/16/03	IA Only	Not Analyzed	
089-03	Dekalb	125	33 48 35.22	84 19 52.38	1/16/03	IA Only	Not Analyzed	
089-04	Dekalb	50	33 54 09.96	84 20 27.66	1/16/03	IA Only	Not Analyzed	
089-07	Dekalb	unk	33 43 34.80	84 09 59.64	2/19/03	IA/QA Samples	Below Detection Limits	
089-08	Dekalb	unk	33 45 00.30	84 02 07.74	1/16/03	IA Only	Not Analyzed	
097-01	Douglas	unk	33 36 04.74	84 53 38.76	1/6/03	IA Only	Not Analyzed	
097-02	Douglas	unk	33 40 09.48	84 39 52.38	1/6/03	IA Only	Not Analyzed	
097-03	Douglas	unk	33 37 55.26	84 49 08.10	1/3/03	IA Only	Not Analyzed	
097-10	Douglas	unk	33 36 58.56	84 50 40.44	1/6/03	IA Only	Not Analyzed	
097-11	Douglas	unk	33 42 29.70	84 40 20.64	1/6/03	IA Only	Not Analyzed	
097-15	Douglas	300	33 41 18.06	84 52 30.78	1/6/03	IA Only	Not Analyzed	
097-16	Douglas	300	33 41 36.00	84 38 08.30	2/19/03	IA/QA Samples	Below Detection Limits	
097-20	Douglas	200	33 38 56.88	84 46 36.00	1/6/03	IA Only	Not Analyzed	
097-24	Douglas	305	33 35 22.86	84 53 15.06	1/6/03	IA Only	Not Analyzed	
097-26*	Douglas	50	33 42 08.22	84 53 46.38	1/6/03	IA Only	Not Analyzed	
105-26	Elbert	360	34 03 56.80	82 40 43.40	3/10/03	IA/QA Samples	Below Detection Limits	
107-02	Emanuel	unk	32 36 16.74	82 14 51.84	1/14/03	IA Only	Not Analyzed	
107-03	Emanuel	unk	32 41 17.46	82 11 23.70	1/14/03	IA Only	Not Analyzed	
107-04	Emanuel	unk	32 41 21.20	82 24 10.80	1/16/03	IA Only	Not Analyzed	
107-05	Emanuel	unk	32 37 12.06	82 33 23.64	1/13/03	IA Only	Not Analyzed	
107-06	Emanuel	unk	32 33 20.76	82 19 43.50	1/14/03	IA Only	Not Analyzed	
107-08	Emanuel	unk	32 43 09.80	82 26 21.60	1/16/03	IA Only	Not Analyzed	
107-10A	Emanuel	unk	32 38 02.76	82 03 48.66	1/14/03	IA Only	Not Analyzed	
107-10B	Emanuel	unk	32 38 02.76	82 03 48.66	1/14/03	IA/QA Samples	Below Detection Limits	
107-13	Emanuel	300	32 34 28.50	82 15 30.40	1/16/03	IA Only	Not Analyzed	
107-14	Emanuel	500	32 33 00.90	82 08 22.40	1/16/03	IA Only	Not Analyzed	
107-20	Emanuel	400	32 24 37.00	82 22 51.10	10/27/03		Below Detection Limits	Below Detection Limits
107-21	Emanuel	unk	32 43 52.00	82 13 00.20	10/31/03		Below Detection Limits	Below Detection Limits
107-24	Emanuel	300	32 39 10.50	82 08 56.80	10/31/03		Below Detection Limits	Below Detection Limits
107-27	Emanuel	185	32 42 19.10	82 07 36.90	10/31/03		Below Detection Limits	Below Detection Limits
107-28	Emanuel	unk	32 37 43.20	82 17 52.70	10/27/03		Below Detection Limits	Below Detection Limits

107-30	Emanuel	180	32 43 18.00	82 17 08.10	10/27/03		Below Detection Limits	Below Detection Limits
107-31	Emanuel	240	32 41 25.10	82 21 18.70	11/3/03		Below Detection Limits	Below Detection Limits
107-35	Emanuel	100	32 43 01.10	82 16 29.30	10/27/03		Below Detection Limits	Below Detection Limits
107-36	Emanuel	100	32 47 55.40	82 22 32.50	11/3/03		Below Detection Limits	1.200
107-38	Emanuel	240	32 32 37.20	82 23 13.00	10/27/03		Below Detection Limits	Below Detection Limits
107-39	Emanuel	unk	32 46 18.30	82 10 35.80	10/31/03		Below Detection Limits	4.950
107-42	Emanuel	180	32 38 21.70	82 17 07.70	10/27/03		Below Detection Limits	Below Detection Limits
107-44	Emanuel	75	32 47 58.90	82 21 08.50	11/3/03		Below Detection Limits	Trace
107-45	Emanuel	unk	32 30 01.80	82 19 21.70	10/27/03		Below Detection Limits	Below Detection Limits
107-46	Emanuel	350	32 39 51.60	82 24 26.70	11/3/03		Below Detection Limits	Trace
107-48	Emanuel	380	32 35 32.60	82 05 21.30	10/31/03		Below Detection Limits	Below Detection Limits
107-49	Emanuel	300	32 28 33.40	82 13 02.10	10/31/03		Below Detection Limits	Below Detection Limits
107-50	Emanuel	unk	32 42 03.50	82 16 14.00	10/27/03		Below Detection Limits	Below Detection Limits
107-51	Emanuel	unk	32 23 26.50	82 22 59.50	10/27/03		Below Detection Limits	Below Detection Limits
107-53	Emanuel	260	32 36 28.70	82 30 58.40	11/3/03		Below Detection Limits	Below Detection Limits
107-54	Emanuel	unk	32 42 38.20	82 06 11.00	10/31/03		Below Detection Limits	Below Detection Limits
111-02	Fannin	unk	34 54 05.70	84 24 03.80	7/14/03		Below Detection Limits	
111-04	Fannin	unk	34 44 02.70	84 05 42.00	4/29/03		Below Detection Limits	
111-05	Fannin	unk	34 57 55.50	84 27 13.50	4/29/03		Below Detection Limits	
111-06	Fannin	unk	34 52 18.50	84 23 35.10	4/29/03		Below Detection Limits	
111-07	Fannin	220	34 57 15.20	84 17 50.90	4/29/03		Below Detection Limits	
111-08	Fannin	unk	34 56 13.00	84 13 02.10	4/29/03		Below Detection Limits	
111-10	Fannin	unk	34 53 45.50	84 14 36.30	4/29/03		Below Detection Limits	
111-12	Fannin	120	34 52 28.20	84 14 31.90	4/29/03		Below Detection Limits	
111-13A	Fannin	<100	34 55 12.50	84 22 13.80	4/29/03		Below Detection Limits	
111-13B	Fannin	unk	34 55 12.50	84 22 13.80	4/29/03		Below Detection Limits	
111-15	Fannin	408	34 47 28.26	84 10 05.04	7/14/03		Below Detection Limits	
113-01	Fayette	unk	33 24 34.40	84 29 28.70	5/20/03		Below Detection Limits	
113-02	Fayette	unk	33 30 46.10	84 30 53.10	3/31/03	IA/QA Samples	Below Detection Limits	
113-05	Fayette	unk	33 28 28.30	84 24 43.30	3/31/03	IA/QA Samples	Below Detection Limits	
113-07	Fayette	unk	33 28 44.90	84 30 45.80	3/31/03	IA/QA Samples	Below Detection Limits	
113-08	Fayette	220	33 19 16.70	84 24 12.90	5/20/03		Below Detection Limits	
113-09	Fayette	unk	33 18 31.70	84 24 17.00	6/3/03		Below Detection Limits	

113-11	Fayette	unk	33 29 29.80	84 27 44.00	4/1/03	IA/QA Samples	Below Detection Limits	
113-12A	Fayette	unk	33 21 16.00	84 28 41.50	5/20/03		Below Detection Limits	
113-12B	Fayette	unk	33 21 16.00	84 28 41.50	5/20/03		Below Detection Limits	
113-13	Fayette	unk	33 17 29.50	84 29 02.30	5/20/03		Below Detection Limits	
113-15	Fayette	unk	33 25 16.20	84 27 40.90	3/31/03	IA/QA Samples	Below Detection Limits	
113-16	Fayette	unk	33 22 29.30	84 32 21.10	3/31/03	IA/QA Samples	Below Detection Limits	
113-17	Fayette	unk	33 24 26.40	84 31 21.30	4/1/03	IA/QA Samples	Below Detection Limits	
113-20	Fayette	unk	33 20 51.30	84 30 12.30	6/3/03		Below Detection Limits	
113-21	Fayette	unk	33 19 01.40	84 28 36.80	5/20/03		Below Detection Limits	
113-22	Fayette	unk	33 20 18.80	84 29 22.30	6/3/03		Below Detection Limits	
113-26	Fayette	unk	33 22 10.80	84 26 02.80	5/20/03		Below Detection Limits	
113-27	Fayette	unk	33 29 16.30	84 27 03.90	3/31/03	IA/QA Samples	Below Detection Limits	
113-29	Fayette	248	33 15 27.60	84 28 04.10	6/3/03		Below Detection Limits	
113-30	Fayette	unk	33 18 51.90	84 24 12.20	6/3/03		Below Detection Limits	
113-33	Fayette	20	33 23 54.40	84 36 34.20	5/20/03		Below Detection Limits	
113-35	Fayette	431	33 28 22.50	84 34 32.50	3/31/03	IA/QA Samples	Below Detection Limits	
113-36	Fayette	300	33 20 50.20	84 27 56.80	5/20/03		Below Detection Limits	
113-37	Fayette	>100	33 26 16.70	84 25 03.10	3/31/03	IA/QA Samples	Below Detection Limits	
113-38	Fayette	300	33 30 32.60	84 35 55.40	3/31/03	IA/QA Samples	Below Detection Limits	
113-39	Fayette	unk	33 25 13.00	84 27 39.00	6/3/03		Below Detection Limits	
115-33	Floyd	unk	34 15 20.04	85 22 23.76	7/7/03		Below Detection Limits	
115-34	Floyd	245	34 13 18.90	85 13 50.46	7/7/03		Below Detection Limits	
115-35	Floyd	225	34 16 56.46	85 22 39.18	7/7/03		Below Detection Limits	
117-01	Forsyth	unk	34 12 05.76	84 15 11.52	4/21/03		Below Detection Limits	
117-02	Forsyth	unk	34 17 40.90	84 13 18.40	2/24/03	IA/QA Samples	Below Detection Limits	
117-03	Forsyth	unk	34 09 28.90	84 05 56.30	2/24/03	IA/QA Samples	Below Detection Limits	
117-04	Forsyth	unk	34 19 41.90	84 04 49.80	2/24/03	IA/QA Samples	Below Detection Limits	
117-07	Forsyth	unk	34 19 35.60	84 02 21.40	2/24/03	IA/QA Samples	Below Detection Limits	
117-08	Forsyth	unk	34 16 39.90	84 01 09.54	2/24/03	IA/QA Samples	Below Detection Limits	
117-10	Forsyth	unk	34 14 31.56	83 58 23.64	6/23/03		Below Detection Limits	
117-11	Forsyth	unk	34 05 36.60	84 06 56.34	2/24/03	IA/QA Samples	Below Detection Limits	
117-13	Forsyth	90	34 06 40.74	84 06 45.54	6/23/03		Below Detection Limits	
117-15	Forsyth	330	34 12 12.10	84 14 58.20	2/24/03	IA/QA Samples	Below Detection Limits	

117-16	Forsyth	27	34 08 54.72	84 08 30.54	6/23/03		Below Detection Limits	
117-17	Forsyth	350	34 17 10.60	83 59 17.80	2/24/03	IA/QA Samples	Below Detection Limits	
117-18	Forsyth	110	34 16 31.98	84 02 13.02	6/23/03		Below Detection Limits	
117-19	Forsyth	40	34 08 13.26	84 13 47.94	4/21/03		Below Detection Limits	
121-05	Fulton	unk	34 07 04.14	84 19 48.24	2/3/03	IA/QA Samples	Below Detection Limits	
121-06	Fulton	unk	34 09 26.46	84 19 45.90	2/3/03	IA/QA Samples	Below Detection Limits	
121-08	Fulton	unk	34 04 24.06	84 17 57.60	2/3/03	IA/QA Samples	Below Detection Limits	
121-10	Fulton	37	34 01 57.30	84 16 20.16	2/3/03	IA/QA Samples	Below Detection Limits	
121-14	Fulton	unk	34 05 23.28	84 23 12.78	2/3/03	IA/QA Samples	Below Detection Limits	
121-16	Fulton	unk	33 52 05.22	84 20 52.26	2/4/03	IA/QA Samples	Below Detection Limits	
121-17	Fulton	unk	34 05 39.60	84 13 56.16	7/21/03		Below Detection Limits	
121-19	Fulton	unk	34 05 43.56	84 17 01.62	2/3/03	IA/QA Samples	Below Detection Limits	
121-20	Fulton	unk	33 32 04.80	84 33 04.56	1/16/03	IA Only	Not Analyzed	
121-23	Fulton	unk	34 10 04.14	84 17 35.88	2/3/03	IA/QA Samples	Below Detection Limits	
121-25	Fulton	unk	33 32 43.50	84 46 55.14	12/15/03		Below Detection Limits	Below Detection Limits
121-27	Fulton	unk	33 37 40.00	84 30 23.22	12/15/03		Below Detection Limits	1.700
121-28	Fulton	unk	33 31 25.32	84 35 08.76	11/4/03		Below Detection Limits	7.500
121-30	Fulton	600	34 06 37.26	84 21 02.10	11/4/03		Below Detection Limits	Below Detection Limits
121-33	Fulton	35	34 06 15.24	84 15 25.80	7/21/03		Below Detection Limits	
121-35	Fulton	51	34 05 11.10	84 19 52.44	11/4/03		Below Detection Limits	Below Detection Limits
121-39	Fulton	129	33 33 52.26	84 29 03.30	1/16/03	IA Only	Not Analyzed	
121-40	Fulton	165	33 33 27.66	84 40 06.30	1/16/03	IA Only	Not Analyzed	
121-42	Fulton	500	33 10 19.14	84 21 04.92	2/3/03	IA/QA Samples	Below Detection Limits	
121-46	Fulton	300	33 35 48.42	84 46 51.36	11/4/03		Below Detection Limits	Below Detection Limits
121-48	Fulton	150	33 35 38.64	84 43 17.76	11/4/03		Below Detection Limits	Trace
121-49	Fulton	unk	33 33 02.94	84 37 27.90	1/16/03	IA/QA Samples	Not Analyzed	
121-50	Fulton	unk	33 31 52.50	84 30 46.44	11/4/03		Below Detection Limits	Below Detection Limits
123-01	Gilmer	unk	34 43 06.10	84 30 16.80	4/22/03		Below Detection Limits	
123-02	Gilmer	unk	34 40 08.60	84 22 00.00	5/19/03		Below Detection Limits	
123-04	Gilmer	unk	34 43 32.50	84 26 48.50	4/22/03		Below Detection Limits	
123-06	Gilmer	250	34 41 20.00	84 27 08.20	5/19/03		Below Detection Limits	
123-10	Gilmer	unk	34 45 26.70	84 27 35.20	4/22/03		Below Detection Limits	
123-11	Gilmer	unk	34 44 20.40	84 31 00.00	4/22/03		Below Detection Limits	

123-15	Gilmer	unk	34 43 09.00	84 27 34.20	4/22/03		Below Detection Limits	
123-16	Gilmer	unk	34 38 34.90	84 25 14.40	5/19/03		Below Detection Limits	
123-18	Gilmer	unk	34 38 18.30	84 28 36.60	9/30/03		Below Detection Limits	4.980
123-19	Gilmer	160	34 42 43.50	84 26 58.10	4/22/03		Below Detection Limits	
129-02	Gordon	unk	34 33 59.30	85 01 34.70	4/8/03	IA/QA Samples	Below Detection Limits	
129-04	Gordon	unk	34 26 37.90	84 52 47.60	7/14/03		Below Detection Limits	
129-05	Gordon	unk	34 36 09.50	84 46 25.20	4/8/03	IA/QA Samples	Below Detection Limits	
129-06	Gordon	unk	34 36 05.70	85 02 14.20	4/7/03	IA/QA Samples	Below Detection Limits	
129-07	Gordon	unk	34 23 44.90	84 57 31.90	7/14/03		Below Detection Limits	
129-08	Gordon	unk	34 31 04.14	84 48 43.20	4/7/03	IA/QA Samples	Below Detection Limits	
129-09	Gordon	unk	34 25 36.72	85 02 44.82	7/14/03		Below Detection Limits	
129-10	Gordon	unk	34 25 26.10	84 47 24.90	7/14/03		Below Detection Limits	
129-12	Gordon	unk	34 29 37.14	84 53 27.00	7/15/03		Below Detection Limits	
129-20	Gordon	105	34 34 27.96	84 50 06.60	7/15/03		Below Detection Limits	
135-01	Gwinnett	unk	34 04 51.40	83 53 06.30	2/10/03	IA/QA Samples	Below Detection Limits	
135-02	Gwinnett	unk	34 04 37.30	84 05 09.80	2/10/03	IA/QA Samples	Below Detection Limits	
135-03	Gwinnett	unk	33 51 38.22	84 01 59.01	1/16/03	IA Only	Not Analyzed	
135-04	Gwinnett	unk	33 52 35.04	84 05 23.04	1/16/03	IA Only	Not Analyzed	
135-05	Gwinnett	400	33 48 55.44	83 59 24.18	1/16/03	IA Only	Not Analyzed	
135-06	Gwinnett	unk	33 51 13.98	84 08 52.20	1/16/03	IA Only	Not Analyzed	
135-07	Gwinnett	unk	33 56 28.86	84 03 15.60	1/16/03	IA Only	Not Analyzed	
135-08	Gwinnett	unk	33 52 06.20	83 56 19.40	2/10/03	IA/QA Samples	Below Detection Limits	
135-10	Gwinnett	unk	34 01 45.30	84 04 59.70	2/10/03	IA/QA Samples	Below Detection Limits	
135-11	Gwinnett	250	33 56 08.88	83 58 57.78	9/9/03		Below Detection Limits	Below Detection Limits
135-14	Gwinnett	325	34 04 17.90	83 52 49.70	2/10/03	IA/QA Samples	Below Detection Limits	
135-15	Gwinnett	150	34 09 32.70	84 02 06.00	2/10/03	IA/QA Samples	Below Detection Limits	
135-16	Gwinnett	225	34 04 51.18	83 53 39.72	8/15/03		Below Detection Limits	Below Detection Limits
135-17	Gwinnett	55	34 02 18.90	83 54 18.30	8/26/03		Below Detection Limits	Trace
135-18	Gwinnett	220	33 54 52.32	83 53 46.80	9/9/03		Below Detection Limits	Below Detection Limits
135-19	Gwinnett	235	33 55 31.62	83 48 30.90	9/9/03		Below Detection Limits	Below Detection Limits
143-02	Haralson	unk	33 46 45.78	85 20 36.66	3/10/03	IA/QA Samples	Below Detection Limits	
143-05	Haralson	50	33 45 46.50	85 19 11.00	2/18/03	IA/QA Samples	Below Detection Limits	
143-06	Haralson	80	33 45 05.04	85 06 31.02	3/10/03	IA/QA Samples	Below Detection Limits	

143-07	Haralson	unk	33 45 34.56	85 04 01.32	2/18/03	IA/QA Samples	Below Detection Limits	
143-08	Haralson	30	33 45 44.80	85 08 19.80	2/18/03	IA/QA Samples	Below Detection Limits	
149-15	Heard	unk	33 20 43.40	85 06 01.40	12/2/03		Below Detection Limits	1.173
149-16	Heard	125	33 09 13.40	85 13 29.90	12/2/03		Below Detection Limits	Trace
149-17	Heard	305	33 23 10.40	85 03 54.60	12/2/03		Below Detection Limits	Below Detection Limits
149-18	Heard	unk	33 13 13.50	85 01 41.60	12/2/03		Below Detection Limits	Below Detection Limits
149-19	Heard	45	33 22 30.40	85 10 39.70	12/2/03		Below Detection Limits	1.803
149-20	Heard	100	33 17 49.60	85 15 10.80	12/2/03		Below Detection Limits	Below Detection Limits
149-21	Heard	unk	33 23 30.80	85 15 59.80	12/2/03		Below Detection Limits	Trace
157-08	Jackson	unk	34 03 33.60	83 35 14.40	8/1/03		Below Detection Limits	
157-28	Jackson	45	34 05 50.88	83 40 06.30	2/3/03	IA/QA Samples	Below Detection Limits	
157-35	Jackson	unk	34 11 16.38	83 36 34.44	2/3/03	IA/QA Samples	Below Detection Limits	
159-23	Jasper	unk	33 23 43.50	83 49 56.20	3/4/03	IA/QA Samples	Below Detection Limits	
159-24A	Jasper	unk	33 25 13.60	83 36 47.50	8/18/03		Below Detection Limits	Below Detection Limits
159-24B	Jasper	unk	33 25 08.20	83 36 44.80	8/18/03		Below Detection Limits	Trace
159-25	Jasper	unk	33 17 59.10	83 47 14.60	8/18/03		Below Detection Limits	Trace
159-26	Jasper	unk	33 16 49.30	83 33 02.00	8/18/03		Below Detection Limits	Below Detection Limits
159-27	Jasper	unk	33 16 08.30	83 45 57.60	8/18/03		Below Detection Limits	1.600
159-28	Jasper	unk	33 24 52.90	83 46 34.70	8/18/03		Below Detection Limits	5.370
161-09	Jeff Davis	50	31 55 16.20	82 34 17.10	12/9/03		Below Detection Limits	6.636
161-10	Jeff Davis	25	31 50 49.60	82 30 16.30	12/9/03		Below Detection Limits	3.790
161-11	Jeff Davis	unk	31 47 20.40	82 42 33.10	12/9/03		Below Detection Limits	3.500
161-12	Jeff Davis	unk	31 43 14.80	82 44 18.00	12/9/03		Below Detection Limits	Trace
161-15	Jeff Davis	27	31 47 13.90	82 33 52.50	12/9/03		Below Detection Limits	4.319
161-19	Jeff Davis	37	31 43 23.00	82 38 12.70	12/9/03		Below Detection Limits	4.458
161-20	Jeff Davis	598	31 50 34.40	82 40 21.00	12/9/03		Below Detection Limits	Below Detection Limits
161-22	Jeff Davis	unk	31 47 13.40	82 33 21.60	12/9/03		Below Detection Limits	1.520
161-34	Jeff Davis	unk	31 51 49.90	82 42 43.10	12/9/03		Below Detection Limits	Below Detection Limits
163-26	Jefferson	120	33 14 58.44	82 22 55.98	1/13/03	IA/QA Samples	Below Detection Limits	
163-30	Jefferson	214	32 51 55.62	82 36 52.08	1/13/03	IA/QA Samples	Below Detection Limits	
163-31	Jefferson	unk	33 04 10.44	82 24 29.70	1/13/03	IA/QA Samples	Below Detection Limits	
165-10	Jenkins	unk	32 52 27.60	82 04 28.14	1/13/03	IA/QA Samples	Below Detection Limits	
167-14	Johnson	unk	32 31 40.70	82 40 19.80	1/16/03	IA/QA Samples	Below Detection Limits	

167-16	Johnson	unk	32 41 20.20	82 46 57.40	1/16/03	IA/QA Samples	Below Detection Limits	
175-16	Laurens	unk	32 19 22.20	82 46 11.20	1/14/03	IA Only	Not Analyzed	
175-27	Laurens	unk	32 32 44.20	83 05 24.40	1/13/03	IA/QA Samples	Below Detection Limits	
175-28	Laurens	unk	32 35 00.00	82 47 07.50	1/13/03	IA/QA Samples	Below Detection Limits	
175-29	Laurens	300	32 17 35.70	82 51 54.70	1/13/03	IA/QA Samples	Below Detection Limits	
175-30	Laurens	100	32 30 11.90	82 54 04.40	1/13/03	IA/QA Samples	Below Detection Limits	
175-31	Laurens	unk	32 39 10.30	82 58 39.70	1/13/03	IA/QA Samples	Below Detection Limits	
175-32	Laurens	unk	32 23 26.90	82 50 14.50	1/14/03	IA Only	Not Analyzed	
175-33	Laurens	unk	32 28 49.40	82 57 44.50	1/13/03	IA/QA Samples	Below Detection Limits	
177-03	Lee	unk	31 38 32.70	84 08 04.70	6/2/03		Below Detection Limits	
177-15	Lee	unk	31 38 30.90	84 11 28.90	6/2/03		Below Detection Limits	
177-16	Lee	unk	31 45 42.60	84 10 30.40	6/2/03		Below Detection Limits	
177-22	Lee	unk	31 40 43.30	84 04 01.60	6/2/03		Below Detection Limits	
177-25	Lee	unk	31 39 27.80	84 05 08.50	6/2/03		Below Detection Limits	
177-26	Lee	unk	31 38 41.40	84 08 02.20	6/2/03		Below Detection Limits	
177-29	Lee	unk	31 38 41.00	84 04 04.10	6/2/03		Below Detection Limits	
177-42	Lee	unk	31 54 23.60	84 14 23.70	2/27/03	IA/QA Samples	Below Detection Limits	
177-43	Lee	120	31 51 21.50	84 11 24.10	6/2/03		Below Detection Limits	
177-44	Lee	40	31 50 55.30	84 13 00.00	6/2/03		Below Detection Limits	
177-45	Lee	unk	31 43 35.40	84 02 59.40	6/2/03		Below Detection Limits	
177-46	Lee	210	31 42 10.90	84 04 33.60	6/2/03		Below Detection Limits	
177-47	Lee	135	31 53 32.50	83 59 34.30	6/2/03		Below Detection Limits	
177-48	Lee	unk	31 40 53.20	84 03 56.40	6/2/03		Below Detection Limits	
177-52A	Lee	unk	31 43 05.20	84 05 17.80	7/28/03		Below Detection Limits	
177-52B	Lee	unk	31 43 24.60	84 04 52.50	7/28/03		Below Detection Limits	
177-52C	Lee	unk	31 43 05.20	84 05 17.80	7/28/03		Below Detection Limits	
177-53	Lee	unk	31 54 15.60	84 18 53.20	6/24/03		Below Detection Limits	
177-54	Lee	210	31 49 43.40	84 11 33.80	6/24/03		Below Detection Limits	
177-55	Lee	90	31 54 12.50	83 58 10.30	6/24/03		Below Detection Limits	
177-59	Lee	200	31 50 29.60	83 59 06.20	6/24/03		Below Detection Limits	
177-60	Lee	320	31 52 09.70	84 17 26.90	6/24/03		Below Detection Limits	
177-61	Lee	140	31 50 39.90	84 10 54.60	6/24/03		Below Detection Limits	
177-62	Lee	unk	31 42 36.10	84 04 13.00	7/28/03		Below Detection Limits	

177-63A	Lee	120	31 50 31.40	84 00 48.60	6/24/03		Below Detection Limits	
177-63B	Lee	120	31 50 31.30	84 00 54.90	6/24/03		Below Detection Limits	
177-63C	Lee	120	31 50 33.70	84 00 34.80	6/24/03		Below Detection Limits	
177-65	Lee	unk	31 49 43.40	84 07 41.00	6/24/03		Below Detection Limits	
181-02	Lincoln	unk	33 46 35.20	84 24 47.10	1/7/03	IA Only	Not Analyzed	
181-04	Lincoln	unk	33 54 55.20	82 35 41.00	1/7/03	IA Only	Not Analyzed	
181-05	Lincoln	166	33 41 52.50	82 26 23.50	1/7/03	IA Only	Not Analyzed	
181-06	Lincoln	300	33 53 43.80	82 36 54.20	1/7/03	IA Only	Not Analyzed	
181-07	Lincoln	225	33 45 33.30	82 28 21.60	1/7/03	IA Only	Not Analyzed	
181-08	Lincoln	100	33 58 42.90	82 37 04.60	1/7/03	IA Only	Not Analyzed	
181-09	Lincoln	200	33 48 09.50	82 30 02.60	1/7/03	IA Only	Not Analyzed	
181-10A	Lincoln	50	33 58 35.20	82 37 33.60	1/7/03	IA Only	Not Analyzed	
181-10B	Lincoln	500	33 58 35.20	82 37 33.60	1/7/03	IA Only	Not Analyzed	
181-12	Lincoln	175	33 44 56.20	82 25 52.70	1/7/03	IA Only	Not Analyzed	
181-13	Lincoln	200	33 45 17.80	82 30 51.90	1/7/03	IA Only	Not Analyzed	
181-14	Lincoln	unk	33 55 12.80	82 33 08.20	1/7/03	IA Only	Not Analyzed	
181-17	Lincoln	220	33 46 41.30	82 29 33.20	1/7/03	IA Only	Not Analyzed	
181-18	Lincoln	75	33 47 15.20	82 33 09.80	1/7/03	IA Only	Not Analyzed	
181-19	Lincoln	unk	33 43 33.00	82 18 55.98	8/1/03		Below Detection Limits	
187-18	Lumpkin	250	34 35 53.70	84 00 32.76	8/4/03		Below Detection Limits	
187-19	Lumpkin	unk	34 40 40.80	83 54 15.50	3/11/03	IA/QA Samples	Below Detection Limits	
189-04	McDuffie	unk	33 20 40.20	82 24 38.40	1/7/03	IA Only	Not Analyzed	
195-24	Madison	unk	34 08 18.80	83 09 45.90	8/1/03		Below Detection Limits	
197-07	Marion	>100	32 30 25.50	84 34 10.10	3/31/03		Below Detection Limits	
197-09A	Marion	250	32 24 19.40	84 32 52.70	3/31/03		Below Detection Limits	
197-09B	Marion	250	32 23 49.70	84 32 45.80	3/31/03		Below Detection Limits	
197-11	Marion	189	32 08 34.40	84 30 03.50	6/17/03		Below Detection Limits	
197-12A	Marion	200	32 26 01.60	84 32 25.30	6/17/03		Below Detection Limits	
197-12B	Marion	200	32 27 48.20	84 32 12.10	6/17/03		Below Detection Limits	
197-13	Marion	132	32 18 19.30	84 37 11.50	6/17/03		Below Detection Limits	
197-14	Marion	160	32 17 38.00	84 35 54.90	6/17/03		Below Detection Limits	
197-15	Marion	unk	32 18 42.00	84 34 24.50	6/17/03		Below Detection Limits	
199-01	Meriwether	unk	33 08 17.60	84 43 22.50	2/10/03	IA/QA Samples	Below Detection Limits	

199-03	Meriwether	unk	32 59 20.60	84 37 05.40	1/28/03	IA Only	Not Analyzed	
199-04	Meriwether	unk	32 52 28.80	84 35 36.50	2/10/03	IA/QA Samples	Below Detection Limits	
199-05	Meriwether	unk	32 51 17.60	84 35 15.40	2/10/03	IA/QA Samples	Below Detection Limits	
199-06	Meriwether	unk	33 11 33.10	84 30 33.90	1/28/03	IA/QA Samples	Below Detection Limits	
199-08	Meriwether	unk	33 04 01.40	84 32 03.90	2/11/03	IA Only	Not Analyzed	
199-09	Meriwether	30	33 09 32.50	84 35 51.20	1/28/03	IA/QA Samples	Below Detection Limits	
199-10	Meriwether	unk	32 53 19.00	84 49 41.20	1/28/03	IA/QA Samples	Below Detection Limits	
199-12	Meriwether	25	33 09 50.50	84 47 27.60	1/28/03	IA/QA Samples	Below Detection Limits	
199-13	Meriwether	unk	32 56 40.40	84 31 45.70	1/28/03	IA/QA Samples	Below Detection Limits	
199-14	Meriwether	30	33 12 04.30	84 34 48.00	1/28/03	IA Only	Not Analyzed	
199-15	Meriwether	40	32 50 55.30	84 39 23.10	2/10/03	IA/QA Samples	Below Detection Limits	
199-16	Meriwether	25	33 04 00.00	84 36 03.10	2/11/03	IA/QA Samples	Below Detection Limits	
199-18	Meriwether	unk	33 09 22.60	84 34 37.50	1/28/03	IA/QA Samples	Below Detection Limits	
199-19	Meriwether	unk	33 11 22.90	84 45 01.80	1/28/03	IA Only	Not Analyzed	
199-20	Meriwether	225	32 54 36.10	84 40 27.60	1/28/03	IA/QA Samples	Below Detection Limits	
199-21	Meriwether	325	33 08 14.10	84 51 03.90	1/28/03	IA/QA Samples	Below Detection Limits	
199-22	Meriwether	480	32 54 00.40	84 46 12.30	1/28/03	IA/QA Samples	Below Detection Limits	
199-23	Meriwether	100	32 58 13.00	84 49 21.40	2/10/03	IA/QA Samples	Below Detection Limits	
199-24	Meriwether	110	33 03 14.00	84 39 51.00	2/11/03	IA/QA Samples	Below Detection Limits	
199-25	Meriwether	400	33 12 18.70	84 40 02.00	1/28/03	IA/QA Samples	Below Detection Limits	
199-26	Meriwether	35	33 01 50.10	84 50 24.50	2/10/03	IA/QA Samples	Below Detection Limits	
199-27	Meriwether	unk	32 56 51.40	84 46 15.90	2/10/03	IA/QA Samples	Below Detection Limits	
199-28	Meriwether	unk	33 05 59.00	84 36 34.50	2/11/03	IA/QA Samples	Below Detection Limits	
199-29	Meriwether	unk	32 55 50.30	84 41 22.10	1/28/03	IA/QA Samples	Below Detection Limits	
199-30	Meriwether	unk	33 03 06.10	84 44 32.80	2/10/03	IA/QA Samples	Below Detection Limits	
199-31	Meriwether	180	33 02 52.10	84 51 06.10	2/10/03	IA/QA Samples	Below Detection Limits	
199-32	Meriwether	247	32 53 08.70	84 43 05.30	1/28/03	IA/QA Samples	Below Detection Limits	
199-33	Meriwether	58	33 08 01.60	84 39 51.00	1/28/03	IA Only	Not Analyzed	
199-34	Meriwether	185	33 06 01.00	84 46 25.40	2/10/03	IA/QA Samples	Below Detection Limits	
199-35	Meriwether	50	32 55 59.60	84 50 28.60	1/28/03	IA/QA Samples	Below Detection Limits	
199-36	Meriwether	unk	32 56 05.30	84 41 56.40	1/28/03	IA/QA Samples	Below Detection Limits	
199-38	Meriwether	unk	33 08 39.60	84 44 38.20	2/11/03	IA/QA Samples	Below Detection Limits	
205-52	Mitchell	360	31 09 43.60	84 03 31.80	9/29/03		Below Detection Limits	Below Detection Limits

205-53	Mitchell	300	31 26 02.00	84 03 54.40	9/30/03		Below Detection Limits	Below Detection Limits
205-54	Mitchell	450	31 05 26.30	84 05 07.90	9/29/03		Below Detection Limits	Below Detection Limits
205-55	Mitchell	unk	31 13 04.00	84 06 28.80	9/29/03		Below Detection Limits	Trace
205-56	Mitchell	300	31 11 58.40	84 05 47.10	9/29/03		Below Detection Limits	Below Detection Limits
205-58	Mitchell	250	31 04 39.00	84 02 37.40	9/29/03		Below Detection Limits	Below Detection Limits
205-60	Mitchell	110	31 10 52.10	84 20 20.70	9/30/03		Below Detection Limits	2.810
207-18	Monroe	unk	33 11 14.20	83 53 39.50	10/7/03		Below Detection Limits	Trace
207-19	Monroe	600	33 06 51.50	83 59 50.90	10/7/03		Below Detection Limits	Trace
207-20	Monroe	700	33 10 15.30	84 01 17.20	10/7/03		Below Detection Limits	Below Detection Limits
207-21	Monroe	365	32 55 41.40	83 57 36.50	10/7/03		Below Detection Limits	Below Detection Limits
207-22	Monroe	150	33 08 57.10	83 49 54.20	10/7/03		Below Detection Limits	Trace
207-25	Monroe	600	32 57 04.60	83 51 30.90	10/7/03		Below Detection Limits	Below Detection Limits
207-26	Monroe	300	33 11 10.60	83 56 38.50	10/7/03		Below Detection Limits	Below Detection Limits
207-27	Monroe	60	33 09 17.30	83 54 20.70	10/7/03		Below Detection Limits	3.751
207-30	Monroe	unk	32 58 20.80	83 53 30.20	10/7/03		Below Detection Limits	Below Detection Limits
207-32	Monroe	150	33 00 38.10	83 46 04.20	10/7/03		Below Detection Limits	Below Detection Limits
207-34	Monroe	685	33 11 51.20	84 00 26.40	10/7/03		Below Detection Limits	Below Detection Limits
207-36	Monroe	55	32 56 28.50	83 57 33.10	10/7/03		Below Detection Limits	Trace
207-37	Monroe	unk	33 05 25.40	83 56 51.60	10/7/03		Below Detection Limits	3.912
207-38	Monroe	230	32 51 31.30	83 59 58.90	10/7/03		Below Detection Limits	8.256
213-01	Murray	unk	34 39 49.80	84 42 36.90	5/27/03		Below Detection Limits	
213-02	Murray	unk	34 58 09.00	84 44 03.90	5/27/03		Below Detection Limits	
213-03	Murray	unk	34 53 14.60	84 45 39.30	5/27/03		Below Detection Limits	
213-05	Murray	unk	34 48 19.00	84 41 51.50	4/22/03		Below Detection Limits	
213-06	Murray	180	34 54 51.10	84 47 53.20	5/27/03		Below Detection Limits	
213-07	Murray	165	34 37 11.50	84 46 31.30	4/22/03		Below Detection Limits	
213-08	Murray	145	34 39 32.60	84 42 24.90	5/27/03		Below Detection Limits	
213-09	Murray	unk	34 37 20.10	84 44 47.50	5/27/03		Below Detection Limits	
213-10A	Murray	88	34 56 25.10	84 44 35.30	5/27/03		Below Detection Limits	
213-10B	Murray	unk	34 57 06.80	84 41 51.10	5/27/03		Below Detection Limits	
213-10C	Murray	unk	34 57 13.90	84 41 15.50	5/27/03		Below Detection Limits	
213-11	Murray	105	34 40 25.10	84 45 02.90	5/27/03		Below Detection Limits	
213-12	Murray	unk	34 37 37.90	84 52 08.50	5/27/03		Below Detection Limits	

213-13	Murray	170	34 37 14.30	84 45 03.40	5/27/03		Below Detection Limits	
213-14	Murray	90	34 56 06.50	84 44 27.50	5/27/03		Below Detection Limits	
217-20	Newton	220	33 34 42.70	83 41 46.00	3/4/03	IA/QA Samples	Below Detection Limits	
217-32	Newton	365	33 30 20.00	83 49 32.40	3/4/03	IA/QA Samples	Below Detection Limits	
217-33	Newton	unk	33 23 38.90	83 50 02.80	3/4/03	IA Only	Not Analyzed	
221-11A	Oglethorpe	60	33 58 52.70	83 10 14.10	9/9/03		Below Detection Limits	3.36
221-11B	Oglethorpe	20	33 58 52.70	83 10 14.10	9/9/03		Below Detection Limits	Trace
221-13	Oglethorpe	185	33 51 32.70	83 09 41.20	9/2/03		Below Detection Limits	Trace
221-15	Oglethorpe	50	33 51 15.50	83 00 42.30	9/2/03		Below Detection Limits	1.73
221-16	Oglethorpe	57	33 43 32.10	83 09 45.20	9/2/03		Below Detection Limits	1.37
221-17	Oglethorpe	175	33 48 52.60	83 01 04.30	9/2/03		Below Detection Limits	Below Detection Limits
221-22	Oglethorpe	400	33 48 24.50	83 10 58.50	9/2/03		Below Detection Limits	1.23
221-23A	Oglethorpe	400	33 56 59.30	82 57 46.90	9/9/03		Below Detection Limits	2.35
221-23B	Oglethorpe	unk	33 56 59.30	82 57 46.90	9/9/03		Below Detection Limits	2.69
221-24	Oglethorpe	100	33 43 34.20	83 00 44.00	9/2/03		Below Detection Limits	Below Detection Limits
221-25	Oglethorpe	unk	33 42 39.40	83 07 23.10	9/2/03		Below Detection Limits	Trace
221-26	Oglethorpe	unk	33 42 47.20	83 07 24.20	9/2/03		Below Detection Limits	Trace
221-28	Oglethorpe	300	33 56 57.20	83 01 05.70	9/9/03		Below Detection Limits	1.72
221-29	Oglethorpe	54	33 53 37.80	82 59 25.40	9/2/03		Below Detection Limits	2.95
221-30	Oglethorpe	76	33 47 36.40	83 13 04.70	9/2/03		Below Detection Limits	1.61
221-38	Oglethorpe	58	33 59 42.80	83 05 57.30	9/9/03		Below Detection Limits	Trace
221-39	Oglethorpe	38	33 59 20.90	82 55 31.70	9/9/03		Below Detection Limits	1.09
221-41	Oglethorpe	unk	33 55 47.70	83 08 16.90	9/9/03		Below Detection Limits	3.89
221-43	Oglethorpe	540	33 59 54.30	83 09 58.50	9/9/03		Below Detection Limits	1.82
221-44	Oglethorpe	unk	33 55 20.20	83 09 59.80	9/9/03		Below Detection Limits	Below Detection Limits
223-17	Paulding	100	33 56 36.48	84 56 00.36	3/11/03	IA/QA Samples	Below Detection Limits	
223-18	Paulding	unk	33 59 42.84	84 51 23.82	3/11/03	IA/QA Samples	Below Detection Limits	
227-06	Pickens	unk	34 24 59.20	84 27 34.40	9/30/03		Below Detection Limits	Below Detection Limits
227-08A	Pickens	45	34 28 38.50	84 32 06.10	7/14/03		Below Detection Limits	
227-08B	Pickens	400	34 28 38.50	84 32 06.10	1/14/03		Below Detection Limits	
227-10	Pickens	unk	34 29 20.80	84 25 07.50	7/28/03		Below Detection Limits	
233-06	Polk	167	34 04 56.88	85 07 34.98	3/10/03	IA/QA Samples	Below Detection Limits	
233-07	Polk	300	33 59 59.28	85 23 02.28	3/10/03	IA/QA Samples	Below Detection Limits	

233-08	Polk	unk	34 01 27.30	85 21 34.90	3/10/03	IA/QA Samples	Below Detection Limits	
233-09	Polk	90	34 03 59.00	85 10 00.00	3/10/03	IA/QA Samples	Below Detection Limits	
233-10	Polk	428	34 05 32.76	85 06 49.98	3/10/03	IA/QA Samples	Below Detection Limits	
233-11	Polk	400	33 50 45.42	85 20 43.26	3/10/03	IA/QA Samples	Below Detection Limits	
233-12	Polk	200	33 58 10.30	85 11 08.20	3/10/03	IA/QA Samples	Below Detection Limits	
233-17	Polk	unk	33 58 45.42	85 20 43.26	3/10/03	IA/QA Samples	Below Detection Limits	
237-10	Putnam	unk	33 16 56.00	83 15 01.40	3/10/03	IA/QA Samples	Below Detection Limits	
239-06	Quitman	unk	31 52 15.10	84 56 25.40	2/27/03	IA/QA Samples	Below Detection Limits	
241-04	Rabun	unk	34 50 17.70	83 28 31.40	3/11/03	IA/QA Samples	Below Detection Limits	
243-06	Randolph	unk	31 52 06.90	84 43 18.20	2/27/03	IA/QA Samples	Below Detection Limits	
243-18	Randolph	420	31 40 16.60	84 34 38.70	8/19/03		Below Detection Limits	Below Detection Limits
243-19	Randolph	80	31 47 51.80	84 42 06.10	2/27/03	IA/QA Samples	Below Detection Limits	
243-27	Randolph	95	31 41 02.30	84 36 29.00	2/27/03	IA/QA Samples	Below Detection Limits	
243-29	Randolph	60	31 50 35.40	84 37 34.50	2/27/03	IA/QA Samples	Below Detection Limits	
243-30	Randolph	70	31 43 06.80	84 43 09.90	8/19/03		Below Detection Limits	2.030
245-15	Richmond	130	33 15 20.28	82 02 23.34	1/13/03	IA/QA Samples	Below Detection Limits	
245-18	Richmond	60	33 17 01.30	82 13 30.20	3/10/03	IA/QA Samples	Below Detection Limits	
247-02	Rockdale	unk	33 34 38.80	84 08 19.30	5/16/03		Below Detection Limits	
247-03	Rockdale	unk	33 38 40.70	83 56 55.00	4/8/03	IA/QA Samples	Below Detection Limits	
247-04	Rockdale	unk	33 37 35.30	84 05 35.60	5/16/03		Below Detection Limits	
247-05	Rockdale	unk	33 46 46.70	83 59 12.70	5/16/03	IA/QA Samples	Below Detection Limits	
247-07	Rockdale	unk	33 35 46.70	84 05 43.30	5/16/03		Below Detection Limits	
247-09	Rockdale	unk	33 35 51.30	84 02 54.80	5/16/03		Below Detection Limits	
247-12	Rockdale	unk	33 44 11.70	83 55 29.70	5/16/03		Below Detection Limits	
247-13	Rockdale	205	33 32 17.20	84 02 06.00	5/16/03		Below Detection Limits	
247-14	Rockdale	52	33 41 29.50	84 02 22.80	4/8/03	IA/QA Samples	Below Detection Limits	
247-15	Rockdale	unk	33 39 13.30	84 05 46.30	4/8/03	IA/QA Samples	Below Detection Limits	
247-17	Rockdale	38	33 36 42.60	84 08 28.40	4/8/03	IA/QA Samples	Below Detection Limits	
247-18	Rockdale	40	33 45 17.70	83 57 25.00	4/8/03	IA/QA Samples	Below Detection Limits	
247-19	Rockdale	unk	33 45 21.30	84 00 14.30	4/8/03	IA/QA Samples	Below Detection Limits	
247-20	Rockdale	unk	33 43 24.80	83 56 10.10	4/8/03	IA/QA Samples	Below Detection Limits	
247-22	Rockdale	unk	33 41 13.60	84 02 55.30	4/8/03	IA/QA Samples	Below Detection Limits	
247-23	Rockdale	75	33 37 36.20	84 09 47.70	5/16/03		Below Detection Limits	

247-26	Rockdale	176	33 39 07.70	84 03 15.10	5/16/03		Below Detection Limits	
249-18	Schley	100	32 11 53.40	84 15 50.00	3/31/03		Below Detection Limits	
255-02	Spalding	unk	33 17 43.00	84 06 35.10	2/25/03	IA/QA Samples	Below Detection Limits	
255-05	Spalding	unk	33 12 09.40	84 19 05.90	3/3/03	IA/QA Samples	Below Detection Limits	
255-06	Spalding	unk	33 13 48.80	84 16 53.80	3/3/03	IA/QA Samples	Below Detection Limits	
255-07	Spalding	unk	33 16 32.20	84 24 40.80	3/17/03	IA/QA Samples	Below Detection Limits	
255-09	Spalding	unk	33 17 44.00	84 08 00.80	2/25/03	IA/QA Samples	Below Detection Limits	
255-13	Spalding	425	33 18 28.20	84 11 19.30	2/25/03	IA/QA Samples	Below Detection Limits	
255-16	Spalding	unk	33 15 11.60	84 29 36.40	3/17/03	IA/QA Samples	Below Detection Limits	
255-17	Spalding	unk	33 20 11.30	84 22 07.70	3/17/03	IA/QA Samples	Below Detection Limits	
255-18	Spalding	42	33 18 52.30	84 11 40.00	3/3/03	IA/QA Samples	Below Detection Limits	
255-19	Spalding	44	33 19 36.90	84 20 03.60	2/25/03	IA/QA Samples	Below Detection Limits	
255-20	Spalding	50	33 15 01.80	84 10 36.40	3/3/03	IA/QA Samples	Below Detection Limits	
255-21	Spalding	60	33 15 07.60	84 10 38.50	3/3/03	IA/QA Samples	Below Detection Limits	
255-23	Spalding	55	33 11 31.50	84 10 53.60	3/3/03	IA/QA Samples	Below Detection Limits	
255-27	Spalding	unk	33 13 58.20	84 26 52.20	3/17/03	IA/QA Samples	Below Detection Limits	
255-29	Spalding	240	33 16 35.80	84 13 01.60	3/3/03	IA/QA Samples	Below Detection Limits	
255-30	Spalding	30	33 21 00.30	84 19 48.30	3/17/03	IA/QA Samples	Below Detection Limits	
255-31	Spalding	405	33 21 08.70	84 16 53.10	2/25/03	IA/QA Samples	Below Detection Limits	
255-32	Spalding	40	33 14 55.50	84 13 00.20	3/3/03	IA/QA Samples	Below Detection Limits	
255-33	Spalding	40	33 13 29.40	84 26 27.60	3/17/03	IA/QA Samples	Below Detection Limits	
255-35	Spalding	unk	33 15 08.60	84 27 36.50	3/17/03	IA/QA Samples	Below Detection Limits	
255-36	Spalding	unk	33 13 09.80	84 24 51.90	3/17/03	IA/QA Samples	Below Detection Limits	
261-34	Sumter	unk	32 07 49.50	84 21 02.60	7/28/03		Below Detection Limits	
261-52	Sumter	unk	31 56 03.70	84 11 50.30	6/9/03		Below Detection Limits	
261-53	Sumter	340	31 59 07.30	84 15 50.30	6/9/03		Below Detection Limits	
261-54	Sumter	120	31 58 15.20	83 59 24.80	6/9/03		Below Detection Limits	
261-55	Sumter	300	31 59 46.90	84 14 55.20	6/9/03		Below Detection Limits	
261-56	Sumter	80	32 00 02.30	84 20 24.90	6/9/03		Below Detection Limits	
261-57	Sumter	unk	31 55 16.60	83 57 40.10	6/9/03		Below Detection Limits	
261-58	Sumter	400	31 57 27.30	84 19 29.80	6/9/03		Below Detection Limits	
261-61	Sumter	250	31 55 03.60	84 02 23.10	7/28/03		Below Detection Limits	
261-62	Sumter	70	31 59 40.60	84 22 11.10	7/28/03		Below Detection Limits	

261-68	Sumter	unk	31 54 59.70	84 08 25.50	7/28/03		Below Detection Limits	
269-15	Taylor	unk	32 39 12.10	84 07 18.60	7/9/03		Below Detection Limits	
269-21	Taylor	160	32 28 02.10	84 16 41.90	7/9/03		Below Detection Limits	
269-22	Taylor	160	32 28 19.40	84 16 39.40	7/9/03		Below Detection Limits	
269-23	Taylor	55	32 37 57.60	84 21 15.20	7/9/03		Below Detection Limits	
269-24	Taylor	120	32 29 10.70	84 15 34.60	7/9/03		Below Detection Limits	
269-25A	Taylor	unk	32 36 50.90	84 07 09.30	7/9/03		Below Detection Limits	
269-25B	Taylor	unk	32 36 47.10	84 07 12.80	7/9/03		Below Detection Limits	
269-26	Taylor	275	32 42 18.90	84 14 53.30	8/1/03		Below Detection Limits	Trace
269-27	Taylor	278	32 31 37.30	84 14 37.60	8/1/03		Below Detection Limits	Trace
269-29	Taylor	unk	32 30 28.90	84 07 47.60	8/1/03		Below Detection Limits	Trace
269-30A	Taylor	250	32 30 41.90	84 15 45.00	8/1/03		Below Detection Limits	1.360
269-31	Taylor	145	32 24 48.30	84 13 12.90	8/1/03		Below Detection Limits	Below Detection Limits
273-22	Terrell	100	31 41 35.50	84 31 25.20	6/10/03		Below Detection Limits	
273-23	Terrell	500	31 46 15.60	84 30 58.40	6/10/03		Below Detection Limits	
273-24	Terrell	unk	31 50 40.50	84 30 49.60	6/10/03		Below Detection Limits	
273-25	Terrell	230	31 54 48.20	84 35 22.50	6/10/03		Below Detection Limits	
273-26	Terrell	unk	31 50 32.60	84 34 21.70	6/10/03		Below Detection Limits	
273-27	Terrell	40	31 46 57.40	84 33 21.40	6/10/03		Below Detection Limits	
273-28	Terrell	114	31 43 29.30	84 31 06.00	6/10/03		Below Detection Limits	
273-29	Terrell	400	31 46 05.70	84 27 39.70	6/10/03		Below Detection Limits	
273-30	Terrell	165	31 40 08.70	84 19 34.40	6/10/03		Below Detection Limits	
273-31	Terrell	unk	31 45 00.50	84 30 00.90	6/10/03		Below Detection Limits	
273-32	Terrell	300	31 54 49.30	84 29 01.70	6/10/03		Below Detection Limits	
273-33	Terrell	85	31 52 55.60	84 25 41.20	6/10/03		Below Detection Limits	
273-34	Terrell	unk	31 53 51.90	84 27 14.50	6/10/03		Below Detection Limits	
273-35	Terrell	60	31 50 26.10	84 31 02.20	6/10/03		Below Detection Limits	
273-37	Terrell	400	31 44 44.20	84 19 38.60	8/19/03		Below Detection Limits	1.340
273-39	Terrell	100	31 38 35.20	84 28 35.80	8/19/03		Below Detection Limits	6.650
277-12	Tift	unk	31 32 53.80	83 30 38.50	2/26/03	IA/QA Samples	Below Detection Limits	
277-27	Tift	300	31 35 08.00	83 38 10.40	2/26/03	IA/QA Samples	Below Detection Limits	
279-13	Toombs	300	32 02 09.20	82 16 32.30	11/18/03		Below Detection Limits	Below Detection Limits
279-14	Toombs	500	32 00 19.40	82 13 28.50	11/18/03		Below Detection Limits	Below Detection Limits

279-15	Toombs	600	32 15 43.20	82 16 03.80	11/18/03		Below Detection Limits	Below Detection Limits
279-16	Toombs	500	31 59 39.90	82 15 38.10	11/18/03		Below Detection Limits	Below Detection Limits
279-17	Toombs	unk	32 15 55.00	82 21 36.30	11/18/03		Below Detection Limits	Below Detection Limits
279-19	Toombs	250	32 18 23.80	82 22 10.30	11/18/03		Below Detection Limits	Below Detection Limits
279-20	Toombs	unk	31 58 55.80	82 27 26.30	11/18/03		Below Detection Limits	Below Detection Limits
279-22	Toombs	500	32 18 15.40	82 22 18.70	11/18/03		Below Detection Limits	Below Detection Limits
279-24	Toombs	275	32 14 59.50	82 13 37.20	11/18/03		Below Detection Limits	Below Detection Limits
279-26	Toombs	504	32 14 16.10	82 17 43.60	11/18/03		Below Detection Limits	Below Detection Limits
279-27	Toombs	600	31 59 32.10	82 20 26.20	11/18/03		Below Detection Limits	Below Detection Limits
279-29	Toombs	400	32 01 29.20	82 28 17.60	11/18/03		Below Detection Limits	Below Detection Limits
279-31	Toombs	unk	32 03 23.80	82 17 27.50	11/18/03		Below Detection Limits	Below Detection Limits
283-04	Treutlen	220	32 29 36.60	82 33 01.90	1/16/03	IA Only	Not Analyzed	
283-06	Treutlen	125	32 30 37.70	82 35 24.70	1/16/03	IA Only	Not Analyzed	
283-09	Treutlen	285	32 29 13.10	82 35 41.50	1/16/03	IA/QA Samples	Below Detection Limits	
283-11	Treutlen	400	32 24 02.20	82 31 54.50	1/16/03	IA/QA Samples	Below Detection Limits	
285-01	Troup	unk	32 54 48.50	84 52 30.20	1/8/03	IA Only	Not Analyzed	
285-03	Troup	29	33 00 47.70	84 58 02.90	1/8/03	IA Only	Not Analyzed	
285-04	Troup	unk	32 54 30.40	85 09 21.50	1/8/03	IA Only	Not Analyzed	
285-06	Troup	unk	32 56 59.00	84 58 54.00	1/8/03	IA Only	Not Analyzed	
285-08	Troup	unk	33 08 06.10	84 54 14.90	1/6/03	IA Only	Not Analyzed	
285-09	Troup	unk	33 08 24.80	84 55 03.00	1/6/03	IA Only	Not Analyzed	
285-10	Troup	unk	32 57 28.60	85 01 46.00	1/8/03	IA Only	Not Analyzed	
285-11	Troup	unk	32 56 51.00	84 52 20.30	1/8/03	IA Only	Not Analyzed	
285-12	Troup	unk	33 07 05.10	85 02 57.90	1/23/03	IA/QA Samples	Below Detection Limits	
285-13	Troup	unk	32 59 02.50	85 07 11.90	1/6/03	IA Only	Not Analyzed	
285-15	Troup	unk	32 57 00.00	85 01 02.90	1/23/03	IA/QA Samples	Below Detection Limits	
285-16	Troup	70	32 55 47.00	85 03 09.80	1/8/03	IA Only	Not Analyzed	
285-20	Troup	55	33 12 28.10	84 53 20.10	1/6/03	IA Only	Not Analyzed	
285-21	Troup	60	32 59 45.40	84 54 15.30	1/8/03	IA Only	Not Analyzed	
285-22	Troup	60	32 52 31.60	84 52 16.80	1/8/03	IA Only	Not Analyzed	
285-24	Troup	485	32 56 16.00	85 08 31.40	1/8/03	IA Only	Not Analyzed	
285-25	Troup	160	32 52 54.00	84 56 42.40	1/8/03	IA Only	Not Analyzed	
285-26	Troup	220	33 09 18.80	85 02 33.80	1/6/03	IA Only	Not Analyzed	

285-27	Troup	441	32 58 13.10	85 07 47.60	1/6/03	IA Only	Not Analyzed	
285-28	Troup	40	32 55 19.30	84 56 14.00	1/8/03	IA Only	Not Analyzed	
285-29	Troup	20	32 52 58.90	85 03 22.50	1/8/03	IA Only	Not Analyzed	
285-30	Troup	unk	32 57 57.90	84 51 56.30	1/8/03	IA Only	Not Analyzed	
285-31	Troup	unk	32 53 19.60	84 59 27.40	1/8/03	IA Only	Not Analyzed	
285-32	Troup	unk	32 55 44.30	85 03 08.70	1/8/03	IA Only	Not Analyzed	
285-33	Troup	unk	32 55 01.30	84 54 09.30	1/8/03	IA Only	Not Analyzed	
293-05	Upson	unk	32 54 41.80	84 27 16.00	3/31/03		Below Detection Limits	
293-06	Upson	unk	32 58 09.70	84 22 21.10	3/31/03		Below Detection Limits	
293-18	Upson	135	32 53 59.60	84 15 28.60	10/21/03		Below Detection Limits	Below Detection Limits
293-19	Upson	250	32 56 32.60	84 15 12.90	10/21/03		Below Detection Limits	Below Detection Limits
293-21	Upson	600	32 53 54.40	84 16 08.60	10/21/03		Below Detection Limits	1.240
293-23	Upson	unk	32 56 40.00	84 11 25.00	10/21/03		Below Detection Limits	Below Detection Limits
293-25	Upson	180	32 51 23.20	84 10 08.20	10/21/03		Below Detection Limits	Below Detection Limits
293-27	Upson	unk	32 58 34.30	84 16 23.50	10/21/03		Below Detection Limits	Trace
297-17	Walton	unk	33 53 30.30	83 46 29.82	8/15/03		Below Detection Limits	Below Detection Limits
297-27	Walton	unk	33 51 03.40	83 43 16.70	8/15/03		Below Detection Limits	Below Detection Limits
297-35	Walton	12	33 47 34.50	83 56 35.58	8/15/03		Below Detection Limits	Below Detection Limits
297-38	Walton	30	33 52 48.12	83 47 22.98	8/15/03		Below Detection Limits	Below Detection Limits
297-39	Walton	unk	33 43 19.62	83 51 49.98	8/15/03		Below Detection Limits	Below Detection Limits
297-41	Walton	>100	33 45 04.26	83 48 00.78	8/26/03		Below Detection Limits	Trace
297-42	Walton	unk	33 49 50.94	83 57 34.56	8/26/03		Below Detection Limits	Trace
297-43	Walton	250	33 40 01.80	83 47 05.64	8/26/03		Below Detection Limits	Trace
297-44	Walton	33	33 41 16.74	83 44 25.80	8/26/03		Below Detection Limits	Below Detection Limits
297-46	Walton	395	33 49 04.20	83 44 39.48	9/9/03		Below Detection Limits	Below Detection Limits
297-48A	Walton	300	33 40 03.60	83 47 03.84	9/9/03		Below Detection Limits	Below Detection Limits
297-48B	Walton	unk	33 40 03.60	83 47 03.84	9/9/03		Below Detection Limits	Below Detection Limits
297-49	Walton	35	33 45 01.20	83 37 46.92	9/9/03		Below Detection Limits	Below Detection Limits
297-50	Walton	unk	33 42 37.20	83 48 46.62	9/9/03		Below Detection Limits	Below Detection Limits
301-05	Warren	40	33 25 12.40	82 37 19.20	12/2/03		Below Detection Limits	1.447
301-06	Warren	80	33 23 33.40	82 45 40.30	12/2/03		Below Detection Limits	Trace
301-07A	Warren	73	33 20 11.40	82 41 58.60	12/2/03		Below Detection Limits	Trace
301-07B	Warren	73	33 20 15.90	82 43 21.40	12/2/03		Below Detection Limits	1.667

301-08	Warren	300	33 30 18.60	82 48 30.90	12/2/03		Below Detection Limits	Trace
301-10	Warren	unk	33 22 18.30	82 32 58.20	12/2/03		Below Detection Limits	Below Detection Limits
301-11	Warren	60	32 29 30.80	82 46 04.70	12/2/03		Below Detection Limits	5.517
301-13A	Warren	60	33 21 18.00	82 35 50.00	12/2/03		Below Detection Limits	Below Detection Limits
301-13B	Warren	250	33 20 57.70	82 35 45.40	12/2/03		Below Detection Limits	1.399
303-25	Washington	100	32 54 04.20	82 41 40.10	9/2/03		Below Detection Limits	1.340
303-26	Washington	unk	33 02 09.70	82 59 34.30	9/2/03		Below Detection Limits	Below Detection Limits
303-27	Washington	150	33 00 56.80	82 46 52.80	9/2/03		Below Detection Limits	Below Detection Limits
303-28	Washington	150	32 55 24.40	82 44 42.60	9/2/03		Below Detection Limits	3.980
303-31	Washington	unk	33 07 26.00	82 47 44.30	9/2/03		Below Detection Limits	Trace
303-32	Washington	265	33 00 08.80	82 56 31.10	9/2/03		Below Detection Limits	4.140
303-33	Washington	unk	32 57 59.90	82 43 14.40	9/2/03		Below Detection Limits	2.800
303-34	Washington	125	32 51 57.30	82 46 35.10	9/2/03		Below Detection Limits	Trace
303-36	Washington	68	32 57 44.20	82 51 46.40	11/10/03		Below Detection Limits	Below Detection Limits
303-37	Washington	200	33 07 01.80	82 45 00.80	11/10/03		Below Detection Limits	Below Detection Limits
303-38	Washington	125	33 05 13.10	82 44 13.60	11/10/03		Below Detection Limits	Below Detection Limits
303-40	Washington	232	33 03 00.80	83 01 55.10	11/10/03		Below Detection Limits	Below Detection Limits
303-41	Washington	200	33 03 18.90	82 54 37.10	11/10/03		Below Detection Limits	Below Detection Limits
303-42	Washington	200	32 54 02.90	82 37 28.40	11/10/03		Below Detection Limits	Below Detection Limits
303-43	Washington	unk	32 49 18.40	82 48 00.90	11/10/03		Below Detection Limits	Below Detection Limits
313-07	Whitfield	unk	34 54 35.10	84 53 10.40	9/30/03		Below Detection Limits	Below Detection Limits
319-28A	Wilkinson	200	32 52 13.30	83 09 13.80	11/7/03		Below Detection Limits	Below Detection Limits
319-28B	Wilkinson	180	32 52 13.30	83 09 13.80	11/7/03		Below Detection Limits	Below Detection Limits
319-29	Wilkinson	180	32 56 44.30	83 11 28.30	11/7/03		Below Detection Limits	Below Detection Limits
319-30A	Wilkinson	70	32 44 30.60	83 09 48.90	11/7/03		Below Detection Limits	Below Detection Limits
319-30B	Wilkinson	315	32 44 30.60	83 09 48.90	11/7/03		Below Detection Limits	Below Detection Limits
319-32	Wilkinson	140	32 46 39.40	83 19 08.80	11/7/03		Below Detection Limits	Below Detection Limits
319-33	Wilkinson	265	32 41 53.00	83 16 10.30	11/7/03		Below Detection Limits	Below Detection Limits
319-34	Wilkinson	272	32 46 14.80	83 12 37.20	11/7/03		Below Detection Limits	Below Detection Limits
319-36A	Wilkinson	150	32 43 13.00	83 08 12.50	11/7/03		Below Detection Limits	Below Detection Limits
319-36B	Wilkinson	unk	32 43 13.00	83 08 12.50	11/7/03		Below Detection Limits	Below Detection Limits
319-38	Wilkinson	185	32 55 21.90	83 11 09.20	11/7/03		Below Detection Limits	Below Detection Limits
319-39	Wilkinson	unk	32 52 56.00	83 16 43.20	11/7/03		Below Detection Limits	Below Detection Limits

319-40	Wilkinson	325	32 48 40.90	83 06 38.90	11/7/03		Below Detection Limits	Below Detection Limits
321-43	Worth	unk	31 34 03.60	83 49 52.50	2/26/03	IA/QA Samples	Below Detection Limits	
321-44	Worth	480	31 35 57.70	83 45 23.00	6/30/03		Below Detection Limits	
321-45	Worth	unk	31 24 19.20	83 47 04.40	6/30/03		Below Detection Limits	
321-46	Worth	210	31 35 08.10	83 43 58.40	6/30/03		Below Detection Limits	
321-47A	Worth	unk	31 50 42.90	83 54 52.50	9/30/03		Below Detection Limits	Trace
321-47B	Worth	unk	31 50 42.90	83 54 52.50	7/1/03		Below Detection Limits	Trace
321-48	Worth	300	31 22 03.00	83 50 44.80	6/30/03		Below Detection Limits	
321-49	Worth	unk	31 39 08.50	83 49 12.80	7/1/03		Below Detection Limits	
321-51	Worth	192	31 49 10.50	83 57 12.10	7/1/03		Below Detection Limits	
321-52A	Worth	410	31 33 05.90	83 52 04.80	7/1/03		Below Detection Limits	
321-52B	Worth	unk	31 32 26.60	83 51 57.00	7/1/03		Below Detection Limits	
321-54	Worth	150	31 28 27.90	83 53 08.90	7/1/03		Below Detection Limits	
321-57	Worth	unk	31 48 55.10	83 56 37.30	7/1/03		Below Detection Limits	
321-58	Worth	unk	31 29 52.70	83 40 20.50	8/20/03		Below Detection Limits	
321-59	Worth	unk	31 29 46.60	83 40 02.60	8/20/03		Below Detection Limits	Trace

(1) Types IA Only = immunoassay only, sample tested below USEPA Method 525.5
IA/QA = immunoassay sample, with QA sample for laboratory analysis collected at the same time at the immunoassay sample
Trace = any concentration above the MDL but below the LOQ
unk = unknown well depth