Table 4-9
Tissue Target and Achieved Detection Limits

Method Group	Analyte	DL Range Phase I[b]	Units	Target DL Phase II[a]	Units	DL Range Phase II[b]	Units
%Lipid	Percent Lipids	--		--		0.1-0.1	%
Dioxin/Furans	1,2,3,4,6,7,8-HpCDD	0.63-1.8	PG/G	--		0.15-4.38	PG/G
Dioxin/Furans	1,2,3,4,6,7,8-HpCDF	0.23-1.9	PG/G	--		0.0758-1.23	PG/G
Dioxin/Furans	1,2,3,4,7,8,9-HpCDF	0.3-1.6	PG/G	--		0.0298-3.37	PG/G
Dioxin/Furans	1,2,3,4,7,8-HxCDD	0.9-1.8	PG/G	--		0.0447-2.04	PG/G
Dioxin/Furans	1,2,3,4,7,8-HxCDF	0.43-0.91	PG/G	--		0.0392-0.885	PG/G
Dioxin/Furans	1,2,3,6,7,8-HxCDD	0.76-1.7	PG/G	--		0.074-2.37	PG/G
Dioxin/Furans	1,2,3,6,7,8-HxCDF	0.38-2.3	PG/G	--		0.0405-0.946	PG/G
Dioxin/Furans	1,2,3,7,8,9-HxCDD	0.77-1.5	PG/G	--		0.0462-2.02	PG/G
Dioxin/Furans	1,2,3,7,8,9-HxCDF	0.5-1.2	PG/G	--		0.0255-4.72	PG/G
Dioxin/Furans	1,2,3,7,8-PeCDD	0.54-0.89	PG/G	--		0.0507-2.4	PG/G
Dioxin/Furans	1,2,3,7,8-PeCDF	0.28-1.9	PG/G	--		0.0623-1.11	PG/G
Dioxin/Furans	2,3,4,6,7,8-HxCDF	0.44-0.71	PG/G	--		0.0166-1.4	PG/G
Dioxin/Furans	2,3,4,7,8-PeCDF	0.28-1.8	PG/G	--		0.0474-1.45	PG/G
Dioxin/Furans	2,3,7,8-TCDD	0.25-0.44	PG/G	0.15	PG/G	0.026-0.882	PG/G
Dioxin/Furans	2,3,7,8-TCDF	0.31-1.7	PG/G	0.40	PG/G	0.0344-2.35	PG/G
Dioxin/Furans	OCDD	2.4-3.8	PG/G	--		0.508-12.6	PG/G
Dioxin/Furans	OCDF	0.57-1.3	PG/G	--		0.178-13.9	PG/G
Dioxin/Furans	Total HpCDD	0.68-1.8	PG/G	--		0.15-4.38	PG/G
Dioxin/Furans	Total HpCDF	0.3-1.9	PG/G	--		0.0811-1.81	PG/G
Dioxin/Furans	Total HxCDD	0.9-1.5	PG/G	--		0.0815-2.13	PG/G
Dioxin/Furans	Total HxCDF	0.5-1.6	PG/G	--		0.102-3.51	PG/G
Dioxin/Furans	Total PeCDD	0.54-2.8	PG/G	--		0.0507-2.4	PG/G
Dioxin/Furans	Total PeCDF	0.28-0.78	PG/G	--		0.13-1.37	PG/G
Dioxin/Furans	Total TCDD	0.25-0.5	PG/G	--		0.0228-0.882	PG/G
Dioxin/Furans	Total TCDF	0.44-0.48	PG/G	--		0.103-0.134	PG/G
Metal	Aluminum (Fume Or Dust)	4.4-28.6	MG/KG	--		21-47	MG/KG
Metal	Antimony	0.38-1	MG/KG	0.12	MG/KG	0.02-1	MG/KG
Metal	Arsenic	0.42-3.4	MG/KG	0.12	MG/KG	0.01-0.98	MG/KG
Metal	Barium	0.2-2.9	MG/KG	--		--	
Metal	Beryllium	0.5-0.5	MG/KG	--		0.054-0.1	MG/KG
Metal	Cadmium	0.5-0.5	MG/KG	--		0.003-0.3	MG/KG
Metal	Calcium Metal	--		--		250-330	MG/KG
Metal	Chromium	1-1	MG/KG	0.41	MG/KG	0.01-0.97	MG/KG

[a] Calcasieu Estuary Phase II Sampling and Analysis Plan (Table 5-2).

[b] Calcasieu Estuary Database.

Table 4-9
Tissue Target and Achieved Detection Limits

Method Group	Analyte	DL Range Phase I[b]	Units	Target DL Phase II[a]	Units	DL Range Phase II[b]	Units
Metal	Cobalt	1-1	MG/KG	--		--	
Metal	Copper	0.33-1.3	MG/KG	19.40	MG/KG	0.01-4.2	MG/KG
Metal	Iron	3.1-26.6	MG/KG	--		0.11-3.6	MG/KG
Metal	Lead	0.8-0.8	MG/KG	0.47	MG/KG	0.02-0.49	MG/KG
Metal	Magnesium	251-280	MG/KG	--		110-160	MG/KG
Metal	Manganese	0.23-1.9	MG/KG	--		--	
Metal	Mercury	0.009-0.21	MG/KG	0.18	MG/KG	0.002-0.003	MG/KG
Metal	Nickel	4-4	MG/KG	--		0.03-0.33	MG/KG
Metal	Potassium	--		--		150-1500	MG/KG
Metal	Selenium	0.7-2	MG/KG	--		0.03-1	MG/KG
Metal	Silver	1-1	MG/KG	--		0.01-0.55	MG/KG
Metal	Sodium	351-1730	MG/KG	--		300-2200	MG/KG
Metal	Thallium	1.2-1.2	MG/KG	--		0.84-1	MG/KG
Metal	Vanadium (Fume Or Dust)	1-1	MG/KG	--		--	
Metal	Zinc	4.7-7.7	MG/KG	6.00	MG/KG	0.01-20	MG/KG
PAH	1,1'-Biphenyl			--		40-1000	ug/Kg
PAH	1,2-Benzphenanthracene	1000-2000	ug/Kg	--		40-1000	ug/Kg
PAH	1-Methylnaphthalene			--		1.7-1.7	ug/Kg
PAH	2-Methylnaphthalene	1000-2000	ug/Kg	--		40-1000	ug/Kg
PAH	Acenaphthene	1000-2000	ug/Kg	--		1.7-1000	ug/Kg
PAH	Acenaphthylene	1000-2000	ug/Kg	--		1.7-1000	ug/Kg
PAH	Anthracene	1000-2000	ug/Kg	--		1.7-1000	ug/Kg
PAH	Benzo(a)anthracene	1000-2000	ug/Kg	--		40-1000	ug/Kg
PAH	Benzo(a)pyrene	1000-2000	ug/Kg	990	ug/Kg	40-4000	ug/Kg
PAH	Benzo(b)fluoranthene	1000-2000	ug/Kg	--		40-4000	ug/Kg
PAH	Benzo(g,h,i)perylene	1000-2000	ug/Kg	--		40-4000	ug/Kg
PAH	Benzo(k)fluoranthene	1000-2000	ug/Kg	--		40-4000	ug/Kg
PAH	Dibenzo(a,h)anthracene	1000-2000	ug/Kg	--		1.7-4000	ug/Kg
PAH	Fluoranthene	1000-2000	ug/Kg	--		40-1000	ug/Kg
PAH	Fluorene	1000-2000	ug/Kg	--		1.7-1000	ug/Kg
PAH	Indeno(1,2,3-cd)pyrene	1000-2000	ug/Kg	--		40-4000	ug/Kg
PAH	Naphthalene	1000-2000	ug/Kg	--		40-1000	ug/Kg
PAH	Phenanthrene	1000-2000	ug/Kg	--		40-1000	ug/Kg
PAH	Pyrene	1000-2000	ug/Kg	--		40-1000	ug/Kg

[a] Calcasieu Estuary Phase II Sampling and Analysis Plan (Table 5-2).

[b] Calcasieu Estuary Database.

Table 4-9
Tissue Target and Achieved Detection Limits

Method Group	Analyte	DL Range Phase I[b]	Units	Target DL Phase II[a]	Units	DL Range Phase II[b]	Units
PCB	Aroclor-1016	100-100	ug/Kg	--		10-830	ug/Kg
PCB	Aroclor-1221	100-100	ug/Kg	--		10-830	ug/Kg
PCB	Aroclor-1232	100-100	ug/Kg	--		10-830	ug/Kg
PCB	Aroclor-1242	100-100	ug/Kg	--		10-830	ug/Kg
PCB	Aroclor-1248	100-100	ug/Kg	--		10-830	ug/Kg
PCB	Aroclor-1254	100-100	ug/Kg	--		10-670	ug/Kg
PCB	Aroclor-1260	100-100	ug/Kg	--		7.8-830	ug/Kg
PCB	PCB-10	--		--		0.341-1.44	PG/G
PCB	PCB-105	--		--		36.4-89.9	PG/G
PCB	PCB-106	--		--		1.26-2.5	PG/G
PCB	PCB-112	--		--		0.28-0.604	PG/G
PCB	PCB-114	--		--		18.9-89.9	PG/G
PCB	PCB-126	--		--		2.01-89.9	PG/G
PCB	PCB-127	--		--		1.97-238	PG/G
PCB	PCB-14	--		--		0.325-0.336	PG/G
PCB	PCB-142	--		--		1.2-2.66	PG/G
PCB	PCB-15	--		--		1.99-238	PG/G
PCB	PCB-156	--		--		89.9-89.9	PG/G
PCB	PCB-157	--		--		18.9-89.9	PG/G
PCB	PCB-161	--		--		1.2-1.59	PG/G
PCB	PCB-162	--		--		1.97-1.97	PG/G
PCB	PCB-167	--		--		89.9-89.9	PG/G
PCB	PCB-169	--		--		1.99-238	PG/G
PCB	PCB-17	--		--		12-12.6	PG/G
PCB	PCB-186	--		--		0.27-0.27	PG/G
PCB	PCB-189	--		--		1.99-238	PG/G
PCB	PCB-21	--		--		14.1-14.6	PG/G
PCB	PCB-3	--		--		2.71-4.01	PG/G
PCB	PCB-36	--		--		0.159-0.159	PG/G
PCB	PCB-37	--		--		2-33.2	PG/G
PCB	PCB-38	--		--		0.142-0.231	PG/G
PCB	PCB-4	--		--		6.26-6.26	PG/G
PCB	PCB-5	--		--		0.341-1.48	PG/G
PCB	PCB-54	--		--		0.193-0.21	PG/G

[a] Calcasieu Estuary Phase II Sampling and Analysis Plan (Table 5-2).

[b] Calcasieu Estuary Database.

Table 4-9
Tissue Target and Achieved Detection Limits

Method Group	Analyte	DL Range Phase I[b]	Units	Target DL Phase II[a]	Units	DL Range Phase II[b]	Units
PCB	PCB-55	--		--		0.513-1.17	PG/G
PCB	PCB-58	--		--		1.99-89.9	PG/G
PCB	PCB-60	--		--		2-33.2	PG/G
PCB	PCB-61/70	--		--		20.8-86.5	PG/G
PCB	PCB-66	--		--		20.9-66.1	PG/G
PCB	PCB-73	--		--		0.182-0.306	PG/G
PCB	PCB-77	--		--		33.2-89.9	PG/G
PCB	PCB-78	--		--		0.536-1.17	PG/G
PCB	PCB-79	--		--		89.9-89.9	PG/G
PCB	PCB-8/5	--		--		11-28.5	PG/G
PCB	PCB-80	--		--		0.529-238	PG/G
PCB	PCB-81	--		--		2.01-89.9	PG/G
Pesticide	1,1,1-Trichloro-2,2-bis (p-methoxpheny	11-44	ug/Kg	--		4.2-330	ug/Kg
Pesticide	4,4'-DDD	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	4,4'-DDE	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	4,4'-DDT	6-43	ug/Kg	1	ug/Kg	5-100	ug/Kg
Pesticide	Aldrin	6-43	ug/Kg	360	ug/Kg	2.5-100	ug/Kg
Pesticide	alpha-BHC	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	alpha-Chlordane	6-43	ug/Kg	--		2.5-100	ug/Kg
Pesticide	beta-BHC	0.64-43	ug/Kg	50	ug/Kg	2.5-100	ug/Kg
Pesticide	Camphechlor	60-430	ug/Kg	--		33-1700	ug/Kg
Pesticide	delta-BHC	1.6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	Dieldrin	6-43	ug/Kg	30	ug/Kg	1-100	ug/Kg
Pesticide	Endosulfan I	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	Endosulfan II	6-43	ug/Kg	--		5-100	ug/Kg
Pesticide	Endosulfan Sulfate	6-43	ug/Kg	--		5-100	ug/Kg
Pesticide	Endrin	6-24	ug/Kg	--		5-100	ug/Kg
Pesticide	Endrin Aldehyde	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	Endrin Ketone	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	gamma-BHC (Lindane)	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	gamma-Chlordane	6-43	ug/Kg	--		2.5-100	ug/Kg
Pesticide	Heptachlor	6-43	ug/Kg	--		1-100	ug/Kg
Pesticide	Heptachlor Epoxide	22-160	ug/Kg	--		1-100	ug/Kg
Semivolatile	1,2,4-Trichlorobenzene	1000-2000	ug/Kg	--		670-670	ug/Kg

[a] Calcasieu Estuary Phase II Sampling and Analysis Plan (Table 5-2).

[b] Calcasieu Estuary Database.

Table 4-9
Tissue Target and Achieved Detection Limits

Method Group	Analyte	DL Range Phase I[b]	Units	Target DL Phase II[a]	Units	DL Range Phase II[b]	Units
Semivolatile	1,2-Dichlorobenzene	1000-2000	ug/Kg	--		670-670	ug/Kg
Semivolatile	1,4-Dichlorobenzene	1000-2000	ug/Kg	--		670-670	ug/Kg
Semivolatile	2,2'-oxybis(1-Chloropropane)	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2,4,5-Trichlorophenol	1000-2000	ug/Kg	--		40-1700	ug/Kg
Semivolatile	2,4,6-Trichlorophenol	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2,4-Dichlorophenol	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2,4-Dimethylphenol	1000-2000	ug/Kg	--		40-750	ug/Kg
Semivolatile	2,4-Dinitrophenol	5000-10000	ug/Kg	--		100-2500	ug/Kg
Semivolatile	2,4-Dinitrotoluene	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2,6-Dinitrotoluene	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2-Chloronaphthalene	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2-Chlorophenol	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2-Methylphenol	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	2-Nitroaniline	5000-10000	ug/Kg	--		50-2500	ug/Kg
Semivolatile	2-Nitrophenol	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	3,3'-Dichlorobenzidine	5000-10000	ug/Kg	--		40-800	ug/Kg
Semivolatile	3,5,5-Trimethyl-2-cyclohexene-1-one	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	3-Methylphenol & 4-Methylphenol	1000-2000	ug/Kg	--		--	
Semivolatile	3-Nitroaniline	5000-10000	ug/Kg	--		100-2500	ug/Kg
Semivolatile	4,6-Dinitro-2-methylphenol	5000-10000	ug/Kg	--		100-2500	ug/Kg
Semivolatile	4-Bromophenyl Phenyl Ether	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	4-Chloro-3-methylphenol	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	4-Chlorophenyl Phenyl Ether	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	4-Methylphenol	--		--		40-1000	ug/Kg
Semivolatile	4-Nitrophenol	5000-10000	ug/Kg	--		100-2000	ug/Kg
Semivolatile	Acetophenone	--		--		40-1000	ug/Kg
Semivolatile	Atrazine	--		--		40-1000	ug/Kg
Semivolatile	Benzaldehyde	--		--		40-800	ug/Kg
Semivolatile	Benzyl Butyl Phthalate	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	bis(2-Chloroethoxy)methane	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	bis(2-Chloroethyl)ether	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	bis(2-Ethylhexyl)phthalate	1000-2000	ug/Kg	450	ug/Kg	40-330000	ug/Kg
Semivolatile	Caprolactam	--		--		40-1000	ug/Kg
Semivolatile	Carbazole	1000-2000	ug/Kg	--		670-670	ug/Kg

[a] Calcasieu Estuary Phase II Sampling and Analysis Plan (Table 5-2).

[b] Calcasieu Estuary Database.

Table 4-9
Tissue Target and Achieved Detection Limits

Method Group	Analyte	DL Range Phase I[b]	Units	Target DL Phase II[a]	Units	DL Range Phase II[b]	Units
Semivolatile	Di-n-butylphthalate	1000-2000	ug/Kg	--		40-9600	ug/Kg
Semivolatile	Di-n-octylphthalate	1000-2000	ug/Kg	--		40-4000	ug/Kg
Semivolatile	Dibenzofuran	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	Diethyl Phthalate	2000-4000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	Dimethyl Phthalate	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	Hexachloro-1,3-butadiene	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	Hexachlorobenzene	1000-2000	ug/Kg	200	ug/Kg	40-1000	ug/Kg
Semivolatile	Hexachlorocyclopentadiene	5000-10000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	Hexachloroethane	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	M-Dichlorobenzene	1000-2000	ug/Kg	--		670-670	ug/Kg
Semivolatile	N-Nitroso-di-n-propylamine	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	N-Nitrosodiphenylamine	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	Nitrobenzene	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	P-Chloroaniline	1000-2000	ug/Kg	--		40-1000	ug/Kg
Semivolatile	P-Nitroaniline	5000-10000	ug/Kg	--		100-2500	ug/Kg
Semivolatile	Pentachlorophenol	5000-10000	ug/Kg	--		100-2000	ug/Kg
Semivolatile	Phenol	1000-2000	ug/Kg	--		40-1000	ug/Kg

[a] Calcasieu Estuary Phase II Sampling and Analysis Plan (Table 5-2).

[b] Calcasieu Estuary Database.