TABLE 3-2
SAMPLE LOCATIONS AND SAMPLE TYPES (REVISION NO. 1)
BAYOU VERDINE AREA OF CONCERN, CALCASIEU ESTUARY

					Surface Sediment Sample (0 - 15 cm)										Deep Sediment Sample (15 - 30 and 30 - 45 cm) [2]					Shallow/Deep Surface Water Sample [3,4,5]											
					Primary								Ancilliary		Primary					Primary									Ancilliary		
				Analytes	Depth to Sediment	Water Quality Parameters	VOCs	SVOCs Pesticides/ PCBs	Herbicides	Total TAL Metals	Arsenic	Dioxins/ Furans	Other Parameters [1]	Field Eh Sample	VOCs	SVOCs	Herbicides	Total TAL Metals	Arsenic	VOCs	SVOCs	Pesticides/ PCBs	Herbicides	Total and Dissolved Tal Metals	Total As, Cu, Pb, and Hg (Unfiltered)	Dissolved As, Cu, Pb, and Hg (Filtered)	Cyanide	Dioxins/ Furans	Hardness	Other Parameter (Unpreserved) [6]	Other Inorganic Parameters(Preserved) [7]
				Containers			2 x 4 oz Wide Mouth Jar	1 x 8 oz Jar	1 x 4 oz Jar	1 x 8 oz Jar	1 x 4 oz Jar	1 x 4 oz Jar	1 x 8 oz Jar		2 x 120 ml Wide Mouth Jar	1 x 8 oz Jar	1 x 4 oz Jar	1 x 8 oz Jar	1 x 4 oz Jar	2 x 40 ml VOA Vials, HCl to pH<2	2 x 1 L Amber Bottles	2 x 1 L Amber Bottles	2 x 1 L Amber Bottles	2 x 1 L HDPE, HNO_3 to pH<2	1 x 1 L HDPE, HNO_3 to pH<2	1 x 1 L HDPE, HNO_3 to pH<2	1 x 1 L HDPE, NaOH to pH>12	2 x 1 L Amber Bottles	1 x 500 ml HDPE, HNO3 to pH<2	2 x 1 L Amber Bottles	2 x 1 L Amber Bottles, H_2SO4 to pH<2
Reach Number	Sample Location ID	UTM X Coordinate	UTM Y Coordinate	Laboratory	Field Measurement	Field Measurement	CLP or Houston	CLP or Houston	Quanterra	CLP or Houston	Quanterra	Quanterra	Quanterra	Field Measurement	CLP or Houston	CLP or Houston	Quanterra	CLP or Houston	Quanterra	CLP or Houston	CLP or Houston	CLP or Houston	Quanterra	Quanterra	Quanterra	Quanterra	Quanterra	Quanterra	Quanterra	Quanterra	Quanterra
1	R1-02 R1C1SS	473169.11700	3344924.10800		X		X	X	O	X	O	O	O	O	X	X		X	O												
1	R1-11	473167.18900	3343957.52500		X		X	X	O	X	O	O	O	O	X	X		X	O												
2	R2-02	472942.75800	3345833.74800		X		X	X	O	X	O	O	O	O	X	X		X	O												
2	R2-07 R2A2SS	473218.11600	3345234.53600		X		X	X	O	X	O	O	O	O	X	X		X	O												
3	R3-01	472121.99300	3345464.09400		X		X	X	O	X	O	O	O	O	X	X		X	O												
3	R3-07 R3A2SS	472640.84300	3345967.74900		X		X	X	O	X	O	O	O	O	X	X		X	O												
4	R4-01	471207.16500	3346152.19200		X		X	X	O	X	O	O	O	O	X	X		X	O												
4	R4-04 R4C2SS	471503.83900	3345881.41200		X		X	X	O	X	O	O	O	O	X	X		X	O												
5	R5-01	471038.44260	3347474.00000		X		X	X		X	O																				
5	R5-02	471070.97190	3347390.00000		X		X	X		X	O																				
5	R5-03	471122.72570	3347315.00000		X		X	X		X	O																				
5	R5-04	471188.83000	3347253.00000		X		X	X		X	O																				
5	R5-05	471257.98760	3347194.00000		X		X	X	O	X	O	O	O	O																	
5	R5-06	471324.39730	3347132.00000		X		X	X		X	O																				
5	R5-07	471382.10500	3347062.00000		X		X	X		X	O																				
5	R5-08	471426.68340	3346986.00000		X		X	X		X	O																				
5	R5-09	471412.18020	3346898.00000		X		X	X		X	O																				
5	R5-10	471363.63240	3346821.00000		X		X	X		X	O																				
5	R5-11	471292.64280	3346766.00000		X		X	X		X	O																				
5	R5-12	471220.43180	3346711.00000		X		X	X	O	X	O	O	O	O																	
5	R5-13	471165.77740	3346638.00000		X		X	X		X	O																				
5	R5-14	471130.66430	3346554.00000		X		X	X		X	O																				
5	R5-15	471117.68770	3346465.00000		X		X	X		X	O																				
5	R5-16	471117.22970	3346374.00000		X		X	X		X	O																				
5	R5-17	471133.56500	3346285.00000		X		X	X		X	O																				
5	To be determined [2]	To be determined [2]	To be determined [2]												X	X		X	O												
5	To be determined [2]	To be determined [2]	To be determined [2]												X	X		X	O												

Notes:

[1] Other Parameters include: CEC, pH, TOC, TPHs, and grain size.
[2] Locations for deep samples will be selected from locations where surface sediment results indicate the maximum SVOC concentrations; a maximum of two sample locations per reach if requested by EPA.
[3] The shallow fresh (or brackish) surface water samples will be collected from the upper one-third of the water column if gradation exists with respect to temperature, salinity, and conductivity. In the absence of gradation, this sample will be collected from the middle of the water column.

The revised sample count for Reaches 1 through 4 of Bayou Verdine is a result of site characterization efforts performed by Conoco, Incorporated during 1998-1999.
Sampling proposed for Reach 5 of Bayou Verdine was not addressed by Conoco, Incorporated and remains unchanged from EPA's original site characterization program.
EPA proposed sample location (R1-02) is intended to confirm Conoco 1998 characterization sample location (R1C1SS).

[4] The deep salt water samples will be collected from the bottom one-third of the water column if gradation exists with respect to temperature, salinity, and conductivity. In the absence of gradation, this sample will not be collected.
[5] A shallow and deep water sample will be collected from the same location only if gradation exist with respect to salinity.
[6] Other Parameters include: Alkalinity, BOD, TDS, TSS, TPHs, Bromide, Chloride, Fluoride, ortho-Phosphate, and Sulfate.

[7] Other Inorganic Parameters include: COD, TOC, TKN, Ammonia, and Nitrate/Nitrite.

UTM - Universal Transverse Mercator
X - Sample for CLP or Houston analysis
O - Sample for NON-CLP analysis
HDPE - High Density Polyethylene

oz - ounce
ml - milliliter
L - Liter