Monsanto

Copy - J J Vick

FROM (NAME & LOCATION) D. K. Mitchell

DATE September 28, 1970

SUBJECT PCB Analysis

REFERENCE

cc W. H. Dragoset
J. E. Lip
R. M. Warner

TO : B. T. Dean

The following compilation lists all analyses on PCB presently in our files. The data on pages 1 through 6 are listed in chronological order. The remaining pages are analyses by the Bureau of Commercial Fisheries and are so presented as received.

D. K. Mitchell

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MONS 099924

EXHIBIT 31

TOWOLDMON0046136
WATER_PCB-00037113

Date	Sample	Location	Result	Analyst	Reference
6/5/69	Fish	Flounder Liver Mulatto Bayou	76.ppm	Duke	Federal Report
6/5/69	Fish	Flounder Muscle Mulatto Bayou	4.5 ppm	Duke	Federal Report
6/5/69	Fish	Flounder Gills Mulatto Bayou	19. ppm	Duke	Federal Report
6/5/69	Fish	Croaker Mulatto Bayou	12. ppm	Duke	Federal Report
6/5/69	Fish	Menhaden Mulatto Bayou	11.ppm	Duke	Federal Report
6/5/69	Fish	Pinfish Mulatto Bayou	10.ppm	Duke	Federal Report
7/1/69	Fish	Menhaden Mulatto Bayou	12. ppm	Duke	Federal Report
7/1/69	Shrimp	Mulatto Bayou	1.5 ppm	Duke	Federal Report
7/1/69	Sediment	Mulatto Bayou	N.D.	Duke	Federal Report
7/8/69	Sediment	Highway 90	1.7 ppm	Duke	Federal Report
8/11/69	Water	Pensacola Plant East Ditch	74.8 ppB	E.S. Tucker	Samples sent to St. Louis
8/11/69	Water	Monsanto Plant Outfall Ditch	12.5 ppB	E.S. Tucker	Samples sent to St. Louis
8/11/69	Water	Escambia River at Station "D" below plant	4.7 ppB	E.S. Tucker	Samples sent to St. Louis
8/11/69	Water	Escambia River at Station "W" above plant	0 ppB	E.S. Tucker	Samples sent to St. Louis
8/13/69	Blue Crab	Northern Escambia Bay	7.0 ppm	Duke	Federal Report
8/14/69	Fish	Speckled Trout Gills Pensacola Bay	7.5 ppm	Duke	Federal Report

TOWOLDMON0046137
WATER_PCB-00037114

Date	Sample	Location	Result	Analyst	Reference
8/14/69	Fish	Speckled Trout Liver Pensacola Bay	21.ppm	Duke	Federal Report
8/15/69	Sediment	Garcon Point	N.D.	Duke	Federal Report
8/15/69	Sediment	Mulatto Bayou	N.D.	Duke	Federal Report
8/15/69	Sediment	Northern Escambia Bay	.14 ppm	Duke	Federal Report
8/15/69	Sediment	Highway 90	1.4 ppm	Duke	Federal Report
8/15/69	Sediment	Outfall 6 Miles North of	486.ppm	Duke	Federal Report
8/18/69	Water	Monsanto Plant Outfall Ditch	1.0 ppB	E.S. Tucker	Samples sent to St. Louis
8/20/69	Water	Escambia River @ Monsanto Co. Outfall	270.ppB	E.S. Tucker	Reference sample Bureau of Fisheries Campbell to Tucker
8/20/69	Fish	Escambia River	133±2 ppm	E.S. Tucker	Fish caught by W.A. Calloway
8/22/69	Water	Monsanto Plant Outfall Ditch	1.4 ppB	E.S. Tucker	Samples sent to St. Louis
8/26/69	Water	Escambia River @ White River Above Monsanto Co. - Top Sample	3.ppB	Symes-(Winter-haven)	Sampled by G. Richmond #1
8/26/69	Water	Escambia River @ White River above Monsanto Co. 3/4 Depth Sample	2.ppB	Symes-(Winter-haven)	Sampled by G. Richmond #2
8/26/69	Water	Escambia River @ Monsanto Co. - Outfall - Top Sample	6.5 ppB	Symes-(Winter-haven	Sampled by G. Richmond #3
8/26/69	Water	Escambia River @ Monsanto Co. 3/4 Depth	3.ppB	Symes-(Winter-haven)	Sampled by G. Richmond #4

TOWOLDMON0046138
WATER_PCB-00037115

Date	Sample	Location	Result	Analyst	Reference
8/26/69	Water	Escambia River United Gas Line Top Sample	6.ppB	Symes-(Winter-haven)	Sampled by G. Richmond #5
8/26/69	Water	Escambia River United Gas Line 3/4 Depth Sample	5.5 ppB	Symes-(Winter-haven)	Sampled by G. Richmond #6
8/26/69	Water	Escambia River @ Gulf Power Out-fall Top Sample	3.3 ppB	Symes-(Winter-haven)	Sampled by G. Richmond #7
8/26/69	Water	Escambia River @ Gulf Power Outfall 3/4 Depth Sample	7.5 ppB	Symes-(Winter-haven)	Sampled by G. Richmond #8
8/26/69	Water	Escambia River @ Highway 90 Bridge Top Sample	3.7 ppB	Symes-(Winter-haven)	Sampled by G. Richmond #9
8/26/69	Water	Escambia River @ Highway 90 Bridge 3/4 Depth Sample	5+ ppB	Symes-(Winter haven)	Sampled by G. Richmond #10
8/26/69	Bottom Sludge	Escambia River @ White River Above Monsanto Company	0 ppm	Symes-(Winter-haven)	Sampled by G. Richmond #1A
8/26/69	Bottom Sludge	Escambia River @ United Gas Line	0.33 ppm	Symes-(Winter-haven)	Sampled by G. Richmond #3A
8/26/69	Bottom Sludge	Escambia River @ Highway 90 Bridge	1.5 ppm	Symes-(Winter-haven)	Sampled by G. Richmond #4A
8/26/69	Bottom Sludge	Escambia River @ Monsanto Co. Out-fall	385+ppm	Symes-(Winter-haven)	Sampled by G. Richmond #2A
		Detritus only	1000+ppm	Symes-	
		Sand only	2.5 ppm	(Winter-haven)	

TOWOLDMON0046139
WATER_PCB-00037116

Date	Sample	Location	Result	Analyst	Reference
8/31/69	Fish	Speckled Trout Northern Escambia Bay	20. ppm	Duke	Federal Report
8/31/69	Fish	Flounder Liver Northern Escambia Bay	184.ppm	Duke	Federal Report
8/31/69	Shrimp	Northern Escambia Bay	2.5 ppm	Duke	Federal Report
8/31/69	Blue Crab	Northern Escambia Bay	6.3 ppm	Duke	Federal Report
9/9/69	Blue Crab	Mulatto Bayou	1.0 ppm	Duke	Federal Report
9/15/69	Water	Monsanto Outfall Skimmer	3.8 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/3/69	Water	Escambia River @ Station "W" Above Plant	0 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/3/69	Water	Escambia River @ Station "D" Below Monsanto	0.2 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/3/69	Water	Monsanto Plant Outfall Ditch	17.3 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/3/69	Water	Monsanto Outfall Skimmer	20.3 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/8/69	Water	Monsanto Plant Outfall Ditch	1.6 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/8/69	Water	Pensacola Plant East Ditch	45.0 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/8/69	Water	Pensacola Plant Power House Outfall	0.2 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/10/69	Water	Pensacola Plant East Ditch Above Bldg 408	0.1 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola

TOWOLDMON0046140
WATER_PCB-00037117

Date	Sample	Location	Result	Analyst	Reference
10/10/69	Water	Pensacola Plant East Ditch Below Bldg 408	11.7 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/10/69	Water	Pensacola Plant East Ditch	11.9 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/10/69	Fish	Menhaden Mulatto Bayou	5.7 ppm	Duke	Federal Report
10/17/69	Water	Bldg 408 Decanter Eff.	6,500 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/23/69	Water	Pensacola Plant East Ditch	1.3 ppB	Lubkowitz	Analyzed at Monsanto-Pensacola
10/30/69	Bottom Sludge	Monsanto Outfall Skimmer	112 ppm	Lubkowitz	Analyzed at Monsanto-Pensacola
11/28/69	Sediment	Escambia River West Side 150 ft Above Monsanto Outfall			
		Detritus			
		Fines	3.4 ppm	Cutchens	Monsanto-Pensacola
		Coarse	4.6 ppm		
11/28/69	Sediment	Escambia River West Side 100 ft Below Monsanto Outfall			
		Detritus			
		Fines	1.4 ppm	Cutchens	Monsanto-Pensacola
		Coarse	2.3 ppm		
11/28/69	Sediment	Escambia River East Side Across From Monsanto Outfall			
		Detritus			
		Fines	70.ppm	Cutchens	Monsanto-Pensacola
		Coarse	62.ppm		
6/30/60	Water	Escambia River @ Station "W" Above Monsanto	<0.4 ppB	Cutchens	Monsanto-Pensacola
6/30/70	Water	Monsanto Plant North Outfall	<0.4 ppB	Cutchens	Monsanto-Pensacola

TOWOLDMON0046141
WATER_PCB-00037118

Date	Sample	Location	Result	Analyst	Reference
6/30/70	Water	Monsanto Plant Outfall Ditch	< 0.4 ppB	Cutchens	Monsanto-Pensacola
3/17/70	Water	River Water From Monsanto River Water Pumping Station	0.6 ppB	Cutchens	Monsanto-Pensacola
3/18/70	Water	River Water From Monsanto River Water Pumping Station	< 0.4 ppB	Cutchens	Monsanto-Pensacola
3/19/70	Water	River Water From Monsanto River Water Pumping Station	1.9 ppB	Cutchens	Monsanto-Pensacola

TOWOLDMON0046142
WATER_PCB-00037119