

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67360

RQ-93-DEC-12-28

Sample Location: Florida Tire Recycling

Collection Date: 15 Dec, 93

Field ID/Name: 51-FTR-1

Collection Time

Storet Station Number: _____

Grab: 105.5

NPDES Number: _____

Composite Begin: _____ End: _____

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / M. DeLozados

Signature: T. Davis

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet): _____
Chlorine, Total Residual - 50060 (mg/L): _____
Dissolved Oxygen (Probe) - 00299 (mg/L): _____
pH - 00400 (Std. Units): 6.70
Salinity - 00480 (PPTH): _____
Secchi Depth - 00078 (m): _____
Specific Conductance - 00094 (umho/cm): _____
Temperature - 00010 (C): 17.1

Analyses

Bottle Type

Bottles

Preservatives

Metals

1000ml plastic

1

HNO3 } SAMPLE ARRIVED @ ROOM TEMP PM

O & G

wide mouth glass

2

ICE

(BNA) Semi Volatiles

1 liter brown glass

2

ICE } COOLER TEMP = 2°C AM

Volatiles

40ml glass vial

3

ICE

Sample taken at north end of culvert @ entrance to Dairy Feed Inc. Background sample. Samples taken directly into containers

Send Final Report To: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67361

RQ-93-DEC-13-28

Sample Location: Florida Tire Recycling Collection Date: 15 Dec, 93
Field ID/Name: 51-FTR-2 Collection Time: 11:25
Storet Station Number: _____ Grab: 11:25
NPDES Number: _____ Composite Begin: _____ End: _____

WATER		BLANKS	SOIL/SEDIMENT	TISSUE	CHEMICAL WASTE
☒ SURFACE (FRESH)	☐ INFLUENT	☐ TRIP BLANK	☐ SOIL	☐ PLANT	
☐ SURFACE (SALT)	☐ EFFLUENT	☐ FIELD BLANK	☐ FRESHWATER SEDIMENT	☐ FISH	☐ CHEM WASTE
☐ GROUND		☐ EQUIPMENT BLANK	☐ MARINE SEDIMENT	☐ SHELLFISH	
☐ DRINKING			☐ SLUDGE	☐ OTHER	

Field Parameters Measured By: T. Davis
Signature: T. Davis
Sampled By: T. Davis / H. Delosantos
Signature: T. Davis
Field Report Prepared By: T. Davis
Signature: T. Davis

Field Parameters:
Depth (Feet): _____
Chlorine, Total Residual - 50060 (mg/L): _____
Dissolved Oxygen (Probe) - 00299 (mg/L): _____
pH - 00400 (Std. Units): 6.71
Salinity - 00460 (PPTH): _____
Secchi Depth - 00078 (m): _____
Specific Conductance - 00094 (umho/cm): _____
Temperature - 00010 (C): 17.2

Analyses	Bottle Type	# Bottles	Preservatives
<u>Metals</u>	<u>1000 ml plastic</u>	<u>1</u>	<u>HNO₃</u> } SAMPLE ARRIVED @ ROOM TEMP FM
<u>O&G</u>	<u>wide mouth glass</u>	<u>2</u>	<u>Ice</u> }
<u>Semi Volatiles</u>	<u>1 liter brown glass</u>	<u>2</u>	<u>Ice</u> } COOLER TEMP = 2°C FM
<u>BNA</u>			
<u>Volatiles</u>	<u>40 ml glass vial</u>	<u>3</u>	<u>Ice</u> }

Sample taken at north end of culvert at south end of FTR property, just south of mouth of canal dug by F.T.R. Canal closed approximately 1 hour before sampling with earthen plug.

Send Final Report To: _____

**FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM**

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67362

R2-93-DEC-13-28

Sample Location: Florida Tire Recycling Collection Date: 15 Dec, 93

Field ID/Name: 51-FTR-3 Collection Time

Storet Station Number:

Grab: 11:35

NPDES Number:

Composite Begin:

End:

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / M. De los Angeles

Signature: T. Davis / M. De los Angeles

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet):
Chlorine, Total Residual - 50050 (mg/L):
Dissolved Oxygen (Probe) - 00299 (mg/L):
pH - 00400 (Std. Units): 7.12
Salinity - 00480 (PPTH):
Secchi Depth - 00078 (m):
Specific Conductance - 00094 (umho/cm):
Temperature - 00010 (C): 16.4

Analyses

Bottle Type

Bottles

Preservatives

Metals

1000 ml plastic

1

HNO₃

SAMPLE ARRIVED @ ROOM TEMP FM

O & G

wide mouth glass

2

Ice

Semivolatiles (BNA)

1 liter brown glass

2

Ice

COOLER TEMP = 2°C FM

Volatiles

40 ml glass vial

3

Ice

Sample taken at north end of culvert at entrance to FTR. Current flowing to the north, visible to the naked eye.

Send Final Report To:

JOB ID: _____ SAMPLE ID: <u>67363</u>		STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION CENTRAL LABORATORY SAMPLE SUBMITTAL FORM PAGE 1		COLLECTION TIME A — GRAB SAMPLE <u>1900</u> COLLECTION TIME B — COMPOSITE SAMPLE BEGIN: _____ END: _____	
SUBMITTING AGENCY CODE:	SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	COLLECTION DATE (M/D/Y): <u>9-27-93</u>	DEPTH, FEET:	

COUNTY OF SAMPLE ORIGIN:	SAMPLE LOCATION: <u>DEP LABORATORY</u>	FIELD ID/NAME: <u>TRIP BLANK</u>
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WATER			SOIL/SEDIMENT			TISSUE			CHEMICAL WASTE		
☐ SURFACE (FRESH)	☒ TRIP BLANK	☐ SOIL	☐ PLANT	☐							
☐ GROUND	☐ FIELD BLANK	☐ FRESHWATER SEDIMENT	☐ FISH								
☐ SURFACE (SALT)	☐ EQUIPMENT BLANK	☐ MARINE SEDIMENT	☐ SHELLFISH								
☐ EFFLUENT	☐ SLUDGE	☐ OTHER									

PRGRM. MOD. #	NPDES NUMBER (& OUTFALL NO., IF APPLICABLE): (required for all discharge related samples)	FIELD PARAMETERS	UNITS	CODE*	VALUE
FIELD PARAMETERS MEASURED BY (NAME): (SIGNATURE): _____ SAMPLED BY (NAME): (SIGNATURE): <u>L. HARRIS</u> FIELD REPORT, IF ANY, PREPARED BY (NAME): (SIGNATURE): <u>F. MEISIEK</u>		CHLORINE, TOTAL RESIDUAL	mg/l	50060	
		DISSOLVED OXYGEN (PROBE)	mg/l	00299	
		pH	std. units	00400	
		SALINITY	PPTH	00480	
		SECCHI DEPTH	m	00078	
		SPECIFIC CONDUCTANCE	µmho/cm	00094	
		TEMPERATURE	°C	00010	

ANALYSIS/METHOD REQUESTED	SAMPLE CONTAINER DESCRIPTION	NO. OF CONTAINERS SUBMITTED	PRESERVATIVE USED
<u>W-VOC-MS-A</u>	<u>BG 40 ML</u>	<u>2</u>	<u>HC (</u>

NOTE, FILL OUT PAGE 2 (REVERSE) IF ANY LAB PARAMETERS LISTED THERE ARE DESIRED

SEND COPIES OF ANALYSIS REPORT TO:	☐ SUBMITTING AGENCY	☐ _____
	☐ _____	☐ _____
	☐ _____	☐ _____

*STORET CODES MAY ONLY APPLY TO FIELD MEASUREMENTS

☐ SUBMITTING OFFICE FILL IN SHADED AREAS

PLEASE TYPE OR PRINT CLEARLY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY CHAIN-OF-CUSTODY RECORD

SUBMITTING AGENCY CODE: 51	SUBMITTING AGENCY NAME: Southeast District Br.	NUMBER OF CONTAINERS																			
		METALS	VOLATILES	ACID/ALK EXTR.	PESTICIDES	PCBS	NUTRIENT/WET CHEM.	TOXICITY	ALGAL ASSAY	CHLOROPHYLL	<i>Ala/Gesesse</i>	TOTAL									
Cooler #1		SAMPLE LOCATION		FIELD ID																	
Canal upstream-F1 Tire Recycle		51-FTR-1		3	2										2						7
Canal at discharge-F1 Tire Recycle		51-FTR-2		3	2										2						7
Canal downstream disc. F1 Tire Recycle		51-FTR-3		3	2										2						7
Cooler #2																					
Canal Upstream F1 Tire Recycle		51-FTR-1		1																	1
Canal at discharge F1 Tire Recycle		51-FTR-2		1																	1
Canal downstream F1 Tire Recycle		51-FTR-3		1																	1
Empty jars for packing																		4			4

SEALED AND RELINQUISHED BY:	NAME (PRINT): Terry L Davis	SIGNATURE: <i>Terry L Davis</i>	DATE: 15 Dec, 93	TIME: 1500
METHOD OF DISPATCH:	CARRIER: Federal Express	DISPATCH:	DATE: 15 Dec, 93	TIME: 1500
OPENED AND ACCEPTED BY:	NAME (PRINT): F. MEISIEK	SIGNATURE: <i>F. Meisiek</i>	DATE: 12/16/93	TIME: 09:39
SEALED AND RELINQUISHED BY:	NAME (PRINT):	SIGNATURE:	DATE:	TIME:
METHOD OF DISPATCH:	CARRIER:	DISPATCH:	DATE:	TIME:
OPENED AND ACCEPTED BY:	NAME (PRINT):	SIGNATURE:	DATE:	TIME:
REMARKS:				

PLEASE TYPE OR PRINT CLEARLY

F.R. 12/16/93

22-DEC-1993

Page 7 of 7

67382/93-DEC-16-10-03/W-ICP-23

Continued from Page 6

Storet#	Analyte	Value	Units
01077	Silver	3 U	ug/L
00929	Sodium	111 J	mg/L
01082	Strontium	2200	ug/L
01059	Thallium	50 U	ug/L
01087	Vanadium	3 U	ug/L
01092	Zinc	22	ug/L
Comment	Recoveries for Be and Ca were outside control limits.		

***** END OF REPORT *****

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67380

RQ-93-DEC-13-28

Sample Location: Florida Tire Recycling

Collection Date: 15 Dec, 93

Field ID/Name: 51-FTR-1

Collection Time

Storet Station Number: _____

Grab: 1055

NPDES Number: _____

Composite Begin: _____

End: _____

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / M. Delasalles

Signature: T. Davis

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet): _____
 Chlorine, Total Residual - 50060 (mg/L): _____
 Dissolved Oxygen (Probe) - 00299 (mg/L): _____
 pH - 00400 (Std. Units): 6.20
 Salinity - 00480 (PPTH): _____
 Secchi Depth - 00078 (m): _____
 Specific Conductance - 00094 (umho/cm): _____
 Temperature - 00010 (C): 17.1

Analyses

Bottle Type

Bottles

Preservatives

Metals
O & G
(BNA) Sem Volatiles
Volatiles

1000ml plastic 1
wide mouth glass 2
1 liter brown glass 2
40ml glass vial 3

H₂O₂ } SAMPLE ARRIVED @ ROOM TEMP
ICE }
ICE } COOLERTEMP = 2°C
ICE } FM

Sample taken at north end of culvert @ entrance to Dairy Feed Inc. Background sample. Samples taken directly into containers

Send Final Report To: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67381

RQ-93-DEC-13-2

Sample Location: Florida Tire Recycling Collection Date: 15 Dec, 93
Field ID/Name: 51-FTR-2 Collection Time: ~~11:25~~
Storet Station Number: _____ Grab: 11:25
NPDES Number: _____ Composite Begin: _____ End: _____

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis
Signature: T. Davis
Sampled By: T. Davis / M. De los Santos
Signature: T. Davis / M. De los Santos
Field Report Prepared By: T. Davis
Signature: T. Davis

Field Parameters:

Depth (Feet): _____
Chlorine, Total Residual - 50060 (mg/L): _____
Dissolved Oxygen (Probe) - 00299 (mg/L): _____
pH - 00400 (Std. Units): 6.71
Salinity - 00480 (PPTH): _____
Secchi Depth - 00078 (m): _____
Specific Conductance - 00094 (umho/cm): _____
Temperature - 00010 (C): 17.2

Analyses

Bottle Type

Bottles

Preservatives

<u>Metals</u>	<u>1000 ml plastic</u>	<u>1</u>	<u>HNO₃</u>	} SAMPLE ARRIVED @ ROOM TEMP FM
<u>O&G</u>	<u>wide mouth glass</u>	<u>2</u>	<u>Ice</u>	
<u>Semi Volatiles</u>	<u>1 liter brown glass</u>	<u>2</u>	<u>Ice</u>	} COOLER TEMP = 2°C FM
<u>BNA</u>				
<u>Volatiles</u>	<u>40 ml glass vial</u>	<u>3</u>	<u>Ice</u>	

Sample taken at north end of culvert
at south end of FTR property. Just south
of mouth of canal dug by F.T.R. Canal
closed approximately 1 hour before sampling
with earthen plug.

Send Final Report To: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:
Requestor:
Project ID:

Sample ID: 67582

R2-93-DEC-13-28

Sample Location: Florida Tire Recycling Collection Date: 15 Dec, 93

Field ID/Name: 51-FTR-3 Collection Time

Storet Station Number:

Grab: 11:30

NPDES Number:

Composite Begin:

End:

WATER		BLANKS	SOIL/SEDIMENT	TISSUE	CHEMICAL WASTE
☒ SURFACE (FRESH)	☐ INFLUENT	☐ TRIP BLANK	☐ SOIL	☐ PLANT	
☐ SURFACE (SALT)	☐ EFFLUENT	☐ FIELD BLANK	☐ FRESHWATER SEDIMENT	☐ FISH	☐ CHEM WASTE
☐ GROUND		☐ EQUIPMENT BLANK	☐ MARINE SEDIMENT	☐ SHELLFISH	
☐ DRINKING			☐ SLUDGE	☐ OTHER	

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / M. De la Santos

Signature: T. Davis / M. De la Santos

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet):
Chlorine, Total Residual - 50060 (mg/L):
Dissolved Oxygen (Probe) - 00299 (mg/L):
pH - 00400 (Std. Units): 7.12
Salinity - 00480 (PPH):
Secchi Depth - 00078 (m):
Specific Conductance - 00094 (umho/cm):
Temperature - 00010 (C): 16.4

Analyses

Bottle Type

Bottles

Preservatives

Metals

1000ml plastic

1

HNO₃

SAMPLE ARRIVED
@ ROOM TEMP
FM

O & G

wide mouth glass

2

Ice

Semi-volatiles (BNA) 1 liter brown glass

2

Ice

COOLER TEMP
= 2°C
FM

Volatiles 40 ml glass vial

3

Ice

Sample taken at north end of culvert at entrance to FTR. Current flowing to the north, visible to the naked eye.

Send Final Report To:

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY CHAIN-OF-CUSTODY RECORD

SUBMITTING AGENCY CODE: 51		SUBMITTING AGENCY NAME: Southeast District Br.		NUMBER OF CONTAINERS														
SAMPLE LOCATION		FIELD ID		METALS VOLATILES ACID/AN EXTRA PESTICIDES PCBS NUTRIENT/NET CHEM. TOXICITY ALGAL ASSAY CHLOROPHYLL Ala Grease TOTAL														
Cooler #1																		
Canal upstream-F1 Tire Recycle		51-FTR-1			3	2										2		7
Canal at discharge-F1 Tire Recycle		51-FTR-2			3	2										2		7
Canal downstream disc. F1 Tire Recycle		51-FTR-3			3	2										2		7
Cooler #2																		
Canal Upstream F1 Tire Recycle		51-FTR-1		1														1
Canal at discharge F1 Tire Recycle		51-FTR-2		1														1
Canal downstream F1 Tire Recycle		51-FTR-3		1														1
Empty jars for packing																4		4

SEALED AND RELINQUISHED BY:	NAME (PRINT): Terry L Davis	SIGNATURE: <i>Terry L Davis</i>	DATE: 15 Dec 93	TIME: 1500
METHOD OF DISPATCH:	CARRIER: Federal Express		DATE: 15 Dec 93	TIME: 1500
OPENED AND ACCEPTED BY:	NAME (PRINT): F. MEISIEK	SIGNATURE: <i>F. Meisiek</i>	DATE: 12/16/93	TIME: 09:39
SEALED AND RELINQUISHED BY:	NAME (PRINT):	SIGNATURE:	DATE:	TIME:
METHOD OF DISPATCH:	CARRIER:		DATE:	TIME:
OPENED AND ACCEPTED BY:	NAME (PRINT):	SIGNATURE:	DATE:	TIME:
REMARKS:				

PLEASE TYPE OR PRINT CLEARLY

LOG NO: T3-03674

Received: 16 DEC 93

Dr. Yuh-Hsu Pan
DEP-Chemistry Section
2600 Blairstone Road
Tallahassee FL 32399-2400

Project: T094/Tire Recycle
Sampled By: Client

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED		
03674-1	67367	12-15-93		
03674-2	67368	12-15-93		
03674-3	67369	12-15-93		
PARAMETER		03674-1 67367	03674-2 67368	03674-3 67369
BN-A Extractables (625/8270)				
Acenaphthene, ug/l		<10	<10	<10
Acenaphthylene, ug/l		<10	<10	<10
Anthracene, ug/l		<10	<10	<10
Benzo(a)anthracene, ug/l		<10	<10	<10
Benzo(b)fluoranthene, ug/l		<10	<10	<10
Benzo(k)fluoranthene, ug/l		<10	<10	<10
Benzo(a)pyrene, ug/l		<10	<10	<10
Benzo(g,h,i)perylene, ug/l		<10	<10	<10
Benzyl butyl phthalate, ug/l		<10	<10	<10
Bis(2-chloroethyl)ether, ug/l		<10	<10	<10
Bis(2-chloroethoxy) methane, ug/l		<10	<10	<10
Bis(2-ethylhexyl)phthalate, ug/l		<10	<10	<10
Bis(2-chloroisopropyl) ether, ug/l		<10	<10	<10
4-Bromophenyl-phenyl-ether, ug/l		<10	<10	<10
2-Chloronaphthalene, ug/l		<10	<10	<10
4-Chlorophenyl-phenyl ether, ug/l		<10	<10	<10
Chrysene, ug/l		<10	<10	<10
Dibenz(a,h)anthracene, ug/l		<10	<10	<10
Di-n-butylphthalate, ug/l		<10	<10	<10
1,3-Dichlorobenzene, ug/l		<10	<10	<10
1,2-Dichlorobenzene, ug/l		<10	<10	<10
1,4-Dichlorobenzene, ug/l		<10	<10	<10
3,3'-Dichlorobenzidine, ug/l		<20	<20	<20

RECEIVED

JAN - 3 1994

DEPT. OF ENV. PROTECTION
WEST PALM BEACH

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T3-03674

Received: 16 DEC 93

Dr. Yuh-Hsu Pan
DEP-Chemistry Section
2600 Blairstone Road
Tallahassee FL 32399-2400

Project: TO94/Tire Recycle
Sampled By: Client

REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED		
03674-1	67367	12-15-93		
03674-2	67368	12-15-93		
03674-3	67369	12-15-93		
PARAMETER		03674-1	03674-2	03674-3
Diethylphthalate, ug/l		<10	<10	<10
Dimethylphthalate, ug/l		<10	<10	<10
2,4-Dinitrotoluene, ug/l		<10	<10	<10
2,6-Dinitrotoluene, ug/l		<10	<10	<10
Di-n-octylphthalate, ug/l		<10	---	<10
Fluoranthene, ug/l		<10	<10	<10
Fluorene, ug/l		<10	<10	<10
Hexachlorobenzene, ug/l		<10	<10	<10
Hexachlorobutadiene, ug/l		<10	<10	<10
Hexachloroethane, ug/l		<10	<10	<10
Indeno (1,2,3-cd)pyrene, ug/l		<10	<10	<10
Isophorone, ug/l		<10	<10	<10
Naphthalene, ug/l		<10	<10	<10
Nitrobenzene, ug/l		<10	<10	<10
N-Nitrosodi-N-Propylamine, ug/l		<10	<10	<10
Phenanthrene, ug/l		<10	<10	<10
Pyrene, ug/l		<10	<10	<10
1,2,4-Trichlorobenzene, ug/l		<10	<10	<10
4-Chloro-3-methylphenol, ug/l		<10	<10	<10
2-Chlorophenol, ug/l		<10	<10	<10
2,4-Dichlorophenol, ug/l		<10	<10	<10
2,4-Dimethylphenol, ug/l		<10	<10	<10
2,4-Dinitrophenol, ug/l		<50	<50	<50
2-Methyl-4,6-dinitrophenol, ug/l		<50	<50	<50

RECEIVED

JAN - 3 1994

DEPT. OF ENV. PROTECTION
WEST PALM BEACH

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T3-03674

Received: 16 DEC 93

Dr. Yuh-Hsu Pan
DEP-Chemistry Section
2600 Blairstone Road
Tallahassee FL 32399-2400

Project: T094/Tire Recycle
Sampled By: Client

REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED		
03674-1	67367	12-15-93		
03674-2	67368	12-15-93		
03674-3	67369	12-15-93		
PARAMETER		03674-1	03674-2	03674-3
2-Nitrophenol, ug/l		<10	<10	<10
4-Nitrophenol, ug/l		<50	<50	<50
Pentachlorophenol, ug/l		<50	<50	<50
Phenol, ug/l		<10	<10	<10
2,4,6-Trichlorophenol, ug/l		<10	<10	<10
Date Extracted		12.17.93	12.17.93	12.17.93
Date Analyzed		12.20.93	12.20.93	12.20.93

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T3-03674

Received: 16 DEC 93

Dr. Yuh-Hsu Pan
DEP-Chemistry Section
2600 Blairstone Road
Tallahassee FL 32399-2400

Project: T094/Tire Recycle
Sampled By: Client

REPORT OF RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED		
03674-4	67364	12-15-93		
03674-5	67365	12-15-93		
03674-6	67366	12-15-93		
PARAMETER		03674-4	03674-5	03674-6
Total Recoverable Petroleum Hydrocarbons (418.1)				
Petroleum Hydrocarbons, mg/l		<1.0	<1.0	<1.0
Date Extracted		12.17.93	12.17.93	12.17.93
Date Analyzed		12.20.93	12.20.93	12.20.93

Dr. Yuh-Hsu Pan
DEP-Chemistry Section
2600 Blairstone Road
Tallahassee FL 32399-2400

Project: T094/Tire Recycle
Sampled By: Client

REPORT OF RESULTS

Page 5

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

03674-7 Practical Quantitation Limit
03674-8 Method Blank
03674-9 Accuracy (% Recovery)
03674-10 Precision (% RPD)

PARAMETER	03674-7	03674-8	03674-9	03674-10
BN-A Extractables (625/8270)				
Acenaphthene, ug/l	10	<10	102 %	4.1 %
Acenaphthylene, ug/l	10	<10	---	---
Anthracene, ug/l	10	<10	---	---
Benzo(a)anthracene, ug/l	10	<10	---	---
Benzo(b)fluoranthene, ug/l	10	<10	---	---
Benzo(k)fluoranthene, ug/l	10	<10	---	---
Benzo(a)pyrene, ug/l	10	<10	---	---
Benzo(g,h,i)perylene, ug/l	10	<10	---	---
Benzyl butyl phthalate, ug/l	10	<10	---	---
Bis(2-chloroethyl)ether, ug/l	10	<10	---	---
Bis(2-chloroethoxy) methane, ug/l	10	<10	---	---
Bis(2-ethylhexyl)phthalate, ug/l	10	<10	---	---
Bis(2-chloroisopropyl) ether, ug/l	10	<10	---	---
4-Bromophenyl-phenyl-ether, ug/l	10	<10	---	---
2-Chloronaphthalene, ug/l	10	<10	---	---
4-Chlorophenyl-phenyl ether, ug/l	10	<10	---	---
Chrysene, ug/l	10	<10	---	---
Dibenz(a,h)anthracene, ug/l	10	<10	---	---
Di-n-butylphthalate, ug/l	10	<10	---	---
1,3-Dichlorobenzene, ug/l	10	<10	---	---
1,2-Dichlorobenzene, ug/l	10	<10	---	---
1,4-Dichlorobenzene, ug/l	10	<10	85 %	2.7 %

Received: 16 DEC 93

Dr. Yuh-Hsu Pan
DEP-Chemistry Section
2600 Blairstone Road
Tallahassee FL 32399-2400

Project: T094/Tire Recycle
Sampled By: Client

REPORT OF RESULTS

Page 6

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

03674-7 Practical Quantitation Limit
03674-8 Method Blank
03674-9 Accuracy (% Recovery)
03674-10 Precision (% RPD)

PARAMETER	03674-7	03674-8	03674-9	03674-10
3,3'-Dichlorobenzidine, ug/l	20	<20	---	---
Diethylphthalate, ug/l	10	<10	---	---
Dimethylphthalate, ug/l	10	<10	---	---
2,4-Dinitrotoluene, ug/l	10	<10	84 %	2.3 %
2,6-Dinitrotoluene, ug/l	10	<10	---	---
Di-n-octylphthalate, ug/l	10	<10	---	---
Fluoranthene, ug/l	10	<10	---	---
Fluorene, ug/l	10	<10	---	---
Hexachlorobenzene, ug/l	10	<10	---	---
Hexachlorobutadiene, ug/l	10	<10	---	---
Hexachloroethane, ug/l	10	<10	---	---
Indeno (1,2,3-cd)pyrene, ug/l	10	<10	---	---
Isophorone, ug/l	10	<10	---	---
Naphthalene, ug/l	10	<10	---	---
Nitrobenzene, ug/l	10	<10	---	---
N-Nitrosodi-N-Propylamine, ug/l	10	<10	77 %	5.4 %
Phenanthrene, ug/l	10	<10	---	---
Pyrene, ug/l	10	<10	108 %	5.9 %
1,2,4-Trichlorobenzene, ug/l	10	<10	99 %	3.8 %
4-Chloro-3-methylphenol, ug/l	10	<10	94 %	3.1 %
2-Chlorophenol, ug/l	10	<10	97 %	1.8 %
2,4-Dichlorophenol, ug/l	10	<10	---	---
2,4-Dimethylphenol, ug/l	10	<10	---	---

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T3-03674

Received: 16 DEC 93

Dr. Yuh-Hsu Pan
DEP-Chemistry Section
2600 Blairstone Road
Tallahassee FL 32399-2400

Project: T094/Tire Recycle
Sampled By: Client

REPORT OF RESULTS

Page 7

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

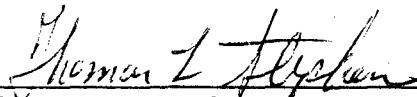
03674-7 Practical Quantitation Limit
03674-8 Method Blank
03674-9 Accuracy (% Recovery)
03674-10 Precision (% RPD)

PARAMETER	03674-7	03674-8	03674-9	03674-10
2,4-Dinitrophenol, ug/l	50	<50	---	---
2-Methyl-4,6-dinitrophenol, ug/l	50	<50	---	---
2-Nitrophenol, ug/l	10	<10	---	---
4-Nitrophenol, ug/l	50	<50	---	0.20 %
Pentachlorophenol, ug/l	50	<50	87 %	3.3 %
Phenol, ug/l	10	<10	88 %	4.4 %
2,4,6-Trichlorophenol, ug/l	10	<10	85 %	---
Date Extracted	---	12.17.93	12.17.93	---
Date Analyzed	---	12.20.93	12.20.93	---
Total Recoverable Petroleum Hydrocarbons (418.1)				
Petroleum Hydrocarbons, mg/l	1.0	<1.0	110 %	0 %
Date Extracted	---	12.17.93	12.17.93	---
Date Analyzed	---	12.20.93	12.20.93	---

Method: EPA 40 CFR Part 136

HRS Certification #s:81291,87279,E81005,E87052

FDEP ComQAP No. 890142G


Thomas L. Stephens

Final Page Of Report

Laboratory locations in Savannah, GA • Tallahassee, FL • Mobile, AL • Deerfield Beach, FL • Tampa, FL

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67364

RQ-93-DEC-13-28

Sample Location: Florida Tire Recycling

Collection Date: 15 Dec, 93

Field ID/Name: 51-FTR-1

Collection Time

Storet Station Number:

Grab: 1055

NPDES Number:

Composite Begin:

End:

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / A. Delasalle

Signature: T. Davis

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet):
Chlorine, Total Residual - 50060 (mg/L):
Dissolved Oxygen (Probe) - 00299 (mg/L):
pH - 00400 (Std. Units): 6.80
Salinity - 00480 (PPTH):
Secchi Depth - 00078 (m):
Specific Conductance - 00094 (umho/cm):
Temperature - 00010 (C): 17.1

Analyses

Bottle Type

Bottles

Preservatives

Metals

1000ml plastic

1

H₂O₂ } SAMPLE ARRIVED @ ROOM TEMP

TPH

wide mouth glass

2

ICE

(BNA) Sem
Volatiles

1 liter brown glass

2

ICE } COOLER TEMP = 2°C

Volatiles

40ml glass vial

3

ICE

Sample taken at north end of culvert @ entrance to Dairy Feed Inc. Background sample. Samples taken directly into containers

Send Final Report To:

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67365

RQ-93-DEC-13-28

Sample Location: Florida Tire Recycling Collection Date: 15 Dec, 93

Field ID/Name: 51-FTR-2 Collection Time: 11:25

Storet Station Number: _____ Grab: 11:25

NPDES Number: _____ Composite Begin: _____ End: _____

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / H. DeJosa

Signature: T. Davis

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet): _____

Chlorine, Total Residual - 50060 (mg/L): _____

Dissolved Oxygen (Probe) - 00299 (mg/L): _____

pH - 00400 (Std. Units): 6.71

Salinity - 00480 (PPT): _____

Secchi Depth - 00078 (m): _____

Specific Conductance - 00094 (umho/cm): _____

Temperature - 00010 (C): 17.2

Analyses

Bottle Type

Bottles

Preservatives

Metals 1000 ml plastic 1

HNO₃ } SAMPLE ARRIVED @ ROOM TEM FM

TOC wide mouth glass 2

Ice }

Semi Volatiles 1 liter brown glass 2

Ice } COOLER TEM = 2°C FM

BNA

Volatiles 40 ml glass vial 3

Ice

Sample taken at north end of culvert at south end of FTR property. Just south of mouth of canal dug by F.T.R. Canal closed approximately 1 hour before sampling with earthen plug.

Send Final Report To: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67366

RQ-93-DEC-13-28

Sample Location: Florida Tire Recycling Collection Date: 15 Dec 93

Field ID/Name: 51-FTR-3 Collection Time

Storet Station Number: Grab: 11:35

NPDES Number: Composite Begin: End:

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE(FRESH)
☐ SURFACE(SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / M. De la Santos

Signature: T. Davis / M. De la Santos

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet):
Chlorine, Total Residual - 50060 (mg/L):
Dissolved Oxygen(Probe) - 00299 (mg/L):
pH - 00400 (Std. Units): 7.12
Salinity - 00480 (PPTH):
Secchi Depth - 00078 (m):
Specific Conductance - 00094 (umho/cm):
Temperature - 00010 (C): 16.4

Analyses

Bottle Type

Bottles

Preservatives

Metals ^{DM}	1000ml plastic	1	HNO ₃	SAMPLE ARRIVE @ ROOM TE FM
<u>Ox & TRPH</u>	wide mouth glass	2	Ice	
Semi-volatiles (BNA)	1 liter brown glass	2	Ice	COOLER TE = 2°C FM
Volatiles	40 ml glass vial	3	Ice	

Sample taken at north end of culvert at entrance to FTR. Current flowing to the north, visible to the naked eye.

Send Final Report To:

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:
 Requestor:
 Project ID:

Sample ID: 67367

RQ-93-DEC-13-28

Sample Location: Florida Tire Recycling
 Field ID/Name: 51-FTR-1
 Storet Station Number: _____
 NPDES Number: _____

Collection Date: 15 Dec, 93
 Collection Time _____
 Grab: 1055
 Composite Begin: _____ End: _____

WATER	BLANKS	SOIL/SEDIMENT	TISSUE	CHEMICAL WASTE
☒ SURFACE(FRESH)	☐ TRIP BLANK	☐ SOIL	☐ PLANT	☐ CHEM WASTE
☐ SURFACE(SALT)	☐ FIELD BLANK	☐ FRESHWATER SEDIMENT	☐ FISH	☐ CHEM WASTE
☐ GROUND	☐ EQUIPMENT BLANK	☐ MARINE SEDIMENT	☐ SHELLFISH	
☐ DRINKING		☐ SLUDGE	☐ OTHER	

Field Parameters Measured By: T. Davis
 Signature: T. Davis
 Sampled By: T. Davis / M. Delasalle
 Signature: T. Davis
 Field Report Prepared By: T. Davis
 Signature: T. Davis

Field Parameters:
 Depth (Feet): _____
 Chlorine, Total Residual - 50060 (mg/L): _____
 Dissolved Oxygen(Probe) - 00299 (mg/L): _____
 pH - 00400 (Std. Units): 6.80
 Salinity - 00480 (PPTH): _____
 Secchi Depth - 00078 (m): _____
 Specific Conductance - 00094 (umho/cm): _____
 Temperature - 00010 (C): 17.1

Analyses	Bottle Type	# Bottles	Preservatives
<u>Metals</u>	<u>1000ml plastic</u>	<u>1</u>	<u>HNO3</u> } SAMPLE ARRIVED @ ROOM TEMP
<u>O & G</u>	<u>wide mouth glass</u>	<u>2</u>	<u>ICE</u> }
<u>(BNA) Sem Volatiles</u>	<u>1 liter brown glass</u>	<u>2</u>	<u>ICE</u> } COOLER TEMP = 2°C AM
<u>Volatiles</u>	<u>40ml glass vial</u>	<u>3</u>	<u>ICE</u>

Sample taken at north end of culvert @ entrance to Dairy Feed Inc. Background sample. Samples taken directly into containers

Send Final Report To: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67368

RA-93-DEC-13-28

Sample Location: Florida Tire Recycling Collection Date: 15 Dec, 93

Field ID/Name: 51-FTR-2 Collection Time: 11:25

Storet Station Number: Grab: 11:25

NPDES Number: Composite Begin: End:

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis H. DeLosantos

Signature: T. Davis H. DeLosantos

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet):

Chlorine, Total Residual - 50060 (mg/L):

Dissolved Oxygen (Probe) - 00299 (mg/L):

pH - 00400 (Std. Units): 6.71

Salinity - 00480 (PPTH):

Secchi Depth - 00078 (m):

Specific Conductance - 00094 (umho/cm):

Temperature - 00010 (C): 17.2

Analyses

Bottle Type

Bottles

Preservatives

Metals

1000 ml plastic

1

HNO₃ } SAMPLE ARRIVED @ ROOM TEN FM

O & G

wide mouth glass

2

Ice

Semi Volatiles

1 liter brown glass

2

Ice } COOLER TEN = 2°C FM

BNAs

Volatiles

40 ml glass vial

3

Ice

Sample taken at north end of culvert at south end of FTR property. Just south of mouth of canal dug by F.T.R. Canal closed approximately 91 hour before sampling with earthen plug.

Send Final Report To:

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL LABORATORY SAMPLE SUBMITTAL FORM

PMAS NO.:

Requestor:

Project ID:

Sample ID: 67369

RQ-93-DEC-13-28

Sample Location: Florida Tire Recycling Collection Date: 15 Dec 93

Field ID/Name: 51-FTR-3 Collection Time

Storet Station Number: Grab: 11:30

NPDES Number: Composite Begin: End:

WATER

BLANKS

SOIL/SEDIMENT

TISSUE

CHEMICAL WASTE

☒ SURFACE (FRESH)
☐ SURFACE (SALT)
☐ GROUND
☐ DRINKING

☐ INFLUENT
☐ EFFLUENT

☐ TRIP BLANK
☐ FIELD BLANK
☐ EQUIPMENT BLANK

☐ SOIL
☐ FRESHWATER SEDIMENT
☐ MARINE SEDIMENT
☐ SLUDGE

☐ PLANT
☐ FISH
☐ SHELLFISH
☐ OTHER

☐ CHEM WASTE

Field Parameters Measured By: T. Davis

Signature: T. Davis

Sampled By: T. Davis / M. De lasantes

Signature: T. Davis / M. De lasantes

Field Report Prepared By: T. Davis

Signature: T. Davis

Field Parameters:

Depth (Feet):
Chlorine, Total Residual - 50060 (mg/L):
Dissolved Oxygen (Probe) - 00299 (mg/L):
pH - 00400 (Std. Units): 7.12
Salinity - 00480 (PPTH):
Secchi Depth - 00078 (m):
Specific Conductance - 00094 (umho/cm):
Temperature - 00010 (C): 16.4

Analyses

Bottle Type

Bottles

Preservatives

Metals

1000ml plastic

1

HNO₃

SAMPLE ARRIVE @ ROOM TE FM

O & G

wide mouth glass

2

Ice

Semivolatiles (BNA) 1 liter brown glass

2

Ice

COOLER TE = 2°C FM

Volatiles 40 ml glass vial

3

Ice

Sample taken at north end of culvert at entrance to FTR. Current flowing to the north, visible to the naked eye.

Send Final Report To:

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY CHAIN-OF-CUSTODY RECORD

SUBMITTING AGENCY CODE: 51		SUBMITTING AGENCY NAME: Southeast District Br.		NUMBER OF CONTAINERS																							
SAMPLE LOCATION		FIELD ID		<table border="1"> <tr> <td>METALS</td> <td>VOLATILES</td> <td>ACID/BN EXTR.</td> <td>PESTICIDES</td> <td>PCBS</td> <td>NUTRIENT/WET CHEM.</td> <td>TOXICITY</td> <td>ALGAL ASSAY</td> <td>CHLOROPHYLL</td> <td><i>Ala-Greeze</i></td> <td colspan="2">TOTAL</td> </tr> </table>												METALS	VOLATILES	ACID/BN EXTR.	PESTICIDES	PCBS	NUTRIENT/WET CHEM.	TOXICITY	ALGAL ASSAY	CHLOROPHYLL	<i>Ala-Greeze</i>	TOTAL	
				METALS	VOLATILES	ACID/BN EXTR.	PESTICIDES	PCBS	NUTRIENT/WET CHEM.	TOXICITY	ALGAL ASSAY	CHLOROPHYLL	<i>Ala-Greeze</i>	TOTAL													
Cooler #1																											
Canal upstream-F1 Tire Recycle		51-FTR-1		3	2									2			7										
Canal at discharge-F1 Tire Recycle		51-FTR-2		3	2									2			7										
Canal downstream disc. F1 Tire Recycle		51-FTR-3		3	2									2			7										
Cooler #2																											
Canal Upstream F1 Tire Recycle		51-FTR-1		1													1										
Canal at discharge F1 Tire Recycle		51-FTR-2		1													1										
Canal downstream F1 Tire Recycle		51-FTR-3		1													1										
Empty jars for packing															4		4										

SEALED AND RELINQUISHED BY:	NAME (PRINT): Terry L Davis	SIGNATURE: <i>Terry L Davis</i>	DATE: 15 Dec 93	TIME: 1500
METHOD OF DISPATCH:	CARRIER: Federal Express		DATE: 15 Dec 93	TIME: 1500
OPENED AND ACCEPTED BY:	NAME (PRINT): F. MEISIEK	SIGNATURE: <i>F. Meisiek</i>	DATE: 12/16/93	TIME: 09:39
SEALED AND RELINQUISHED BY:	NAME (PRINT):	SIGNATURE:	DATE:	TIME:
METHOD OF DISPATCH:	CARRIER:		DATE:	TIME:
OPENED AND ACCEPTED BY:	NAME (PRINT):	SIGNATURE:	DATE:	TIME:
REMARKS:				

PLEASE TYPE OR PRINT CLEARLY

F-1 (8-77) 007

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL LABORATORY
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

CHEMICAL ANALYSIS REPORT

RECEIVED

DEC 27 1993

DEPT. OF ENV. PROTECTION
WEST PALM BEACH

Request ID: RQ-93-DEC-13-28

Job ID: 93-DEC-16-06

Project: OTHER

Job Name: Tire Recycle - Job created on 16-DEC-1993 10:11:

Date Received: 16-DEC-1993

Customer ID: SE-PSL-WTF

Authorized: 17-DEC-1993

By: Liang T. Lin

Submitted By: SE DIST. (PORT ST LUCIE) - WATER FACILITIES
1801 S.E. Hillmoor Dr., Suite 204
Port St. Lucie, Florida 34952
Attn: Terry Davis

Fla. Tire Recycle
Compliance

For Additional Information, Please Contact
G. William Coppenger, Ph.D.
Yuh-Hsu Pan, Ph.D.
Timothy W. Fitzpatrick
Liang-Tsair Lin, Ph.D.
Suncom 277-2571
(904) 487-2571

St. Lucie Co

Certified By: Han

Date: 12-20-93

Abbreviations & Storet Codes:

- A - Value reported is the mean of two or more determinations
- B - Results based on colony counts outside the acceptable range.
- I - Value reported is less than the minimum quantitation limit, and greater than or equal to the minimum detection limit.
- J - Estimated value
- K - Actual value is known to be less than value given
- L - Actual value is known to be greater than value given
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected;
The value reported is the minimum detection limit.
- V - Analyte was detected in both sample and method blank.
- Z - Colonies were too numerous to count (TNTC).

Sample ID: 67360/93-DEC-16-06-01 Matrix: W-SURF-FRH
Location: FLORIDA TIRE RECYCLING
Field ID: 51-FTR-1
Collected: 15-DEC-1993 10:55 By: T DAVIS/M DELOSANTOS
Authorized: 17-DEC-1993 By: Mei-Fang Shyu
Type: Grab Sample
Lab Comments: DEP COOLER TEMP=2DC
Field Comments: SAMPLE TAKEN @ N END OF CULVERT @ ENTRANCE TO DAIRY FEED INC BCKGRND SMPL.SMPLS

Analysis ID: W-VOC-MS
Volatiles in wtr or waste wtr by EPA 624/5030-8240
Prepared: NA By:
Analyzed: 17-DEC-1993 00:00 By: Hui Liu
Authorized: 17-DEC-1993 By: Jusheng Qi

Storet#	Analyte	Value	Units
34030	Benzene	0.50 U	ug/L
32101	Bromodichloromethane	0.50 U	ug/L
32104	Bromoform	0.50 U	ug/L
34413	Bromomethane	0	ug/L
32102	Carbon tetrachloride	0.50 U	ug/L
34301	Chlorobenzene	0.50 U	ug/L
34311	Chloroethane	0.50 U	ug/L
34576	2-Chloroethylvinyl ether	0.50 U	ug/L
32106	Chloroform	0.50 U	ug/L
34418	Chloromethane	0.50 U	ug/L
34536	1,2-dichlorobenzene	0.50 U	ug/L
34566	1,3-Dichlorobenzene	0.50 U	ug/L
34571	1,4-Dichlorobenzene	0.50 U	ug/L
32105	Dibromochloromethane	0.50 U	ug/L
34496	1,1-Dichloroethane	0.50 U	ug/L
34531	1,2-Dichloroethane	0.50 U	ug/L
34501	1,1-Dichloroethene	0.50 U	ug/L
34546	trans-1,2-Dichloroethene	0.50 U	ug/L
34541	1,2-Dichloropropane	0.50 U	ug/L
34561	cis-1,3-Dichloropropene	0.50 U	ug/L
34561	trans-1,3-Dichloropropene	0.50 U	ug/L
34371	Ethylbenzene	0.50 U	ug/L
34423	Methylene chloride	0.50 U	ug/L
34516	1,1,2,2-Tetrachloroethane	0.50 U	ug/L
34475	Tetrachloroethene	0.50 U	ug/L
34506	1,1,1-Trichloroethane	0.50 U	ug/L
34511	1,1,2-Trichloroethane	0.50 U	ug/L
39180	Trichloroethene	0.50 U	ug/L
34010	Toluene	0.50 U	ug/L
39175	Vinyl chloride	0.50 U	ug/L
81551	Xylenes	0.50 U	ug/L
	Trichlorofluoromethane	0.50 U	ug/L

Comments(1): 0 due to analytical problem only associated with
Bromomethane.

Sample ID: 67361/93-DEC-16-06-02 Matrix: W-SURF-FRH
Location: FLORIDA TIRE RECYCLING
Field ID: 51-FTR-2
Collected: 15-DEC-1993 11:25 By: T DAVIS/M DELOSANTOS
Authorized: 17-DEC-1993 By: Mei-Fang Shyu
Type: Grab Sample
Lab Comments: DEP COOLER TEMP=2DC
Field Comments: SAMPLE TAKEN @ N END OF CULVERT @ S END OF FTR PROPERTY JUST S OF CANAL OF MOUTH

Analysis ID: W-VOC-MS
Volatiles in wtr or waste wtr by EPA 624/5030-8240
Prepared: NA By:
Analyzed: 17-DEC-1993 00:00 By: Hui Liu
Authorized: 17-DEC-1993 By: Jusheng Qi

Storet#	Analyte	Value	Units
34030	Benzene	0.50 U	ug/L
32101	Bromodichloromethane	0.50 U	ug/L
32104	Bromoform	0.50 U	ug/L
34413	Bromomethane	0	ug/L
32102	Carbon tetrachloride	0.50 U	ug/L
34301	Chlorobenzene	0.50 U	ug/L
34311	Chloroethane	0.50 U	ug/L
34576	2-Chloroethylvinyl ether	0.50 U	ug/L
32106	Chloroform	0.50 U	ug/L
34418	Chloromethane	0.50 U	ug/L
34536	1,2-dichlorobenzene	0.50 U	ug/L
34566	1,3-Dichlorobenzene	0.50 U	ug/L
34571	1,4-Dichlorobenzene	0.50 U	ug/L
32105	Dibromochloromethane	0.50 U	ug/L
34496	1,1-Dichloroethane	0.50 U	ug/L
34531	1,2-Dichloroethane	0.50 U	ug/L
34501	1,1-Dichloroethene	0.50 U	ug/L
34546	trans-1,2-Dichloroethene	0.50 U	ug/L
34541	1,2-Dichloropropane	0.50 U	ug/L
34561	cis-1,3-Dichloropropene	0.50 U	ug/L
34561	trans-1,3-Dichloropropene	0.50 U	ug/L
34371	Ethylbenzene	0.50 U	ug/L
34423	Methylene chloride	0.50 U	ug/L
34516	1,1,2,2-Tetrachloroethane	0.50 U	ug/L
34475	Tetrachloroethene	0.50 U	ug/L
34506	1,1,1-Trichloroethane	0.50 U	ug/L
34511	1,1,2-Trichloroethane	0.50 U	ug/L
39180	Trichloroethene	0.50 U	ug/L
34010	Toluene	0.50 U	ug/L
39175	Vinyl chloride	0.50 U	ug/L
81551	Xylenes	0.50 U	ug/L
	Trichlorofluoromethane	0.50 U	ug/L

Comments(1): 0 due to analytical problem only associated with
Bromomethane.

Sample ID: 67362/93-DEC-16-06-03 Matrix: W-SURF-FRH
Location: FLORIDA TIRE RECYCLING
Field ID: 51-FTR-3
Collected: 15-DEC-1993 11:35 By: T DAVIS/M DELOSANTOS
Authorized: 17-DEC-1993 By: Mei-Fang Shyu
Type: Grab Sample
Lab Comments: DEP COOLER TEMP=2DC
Field Comments: SAMPLE TAKEN @ N END OF CULVERT @ ENTRANCE TO FTR. CURRENT FLOWING TO THE N, VISIB

Analysis ID: W-VOC-MS
Volatiles in wtr or waste wtr by EPA 624/5030-8240
Prepared: NA By:
Analyzed: 17-DEC-1993 00:00 By: Hui Liu
Authorized: 17-DEC-1993 By: Jusheng Qi

Storet#	Analyte	Value	Units
34030	Benzene	0.50 U	ug/L
32101	Bromodichloromethane	0.50 U	ug/L
32104	Bromoform	0.50 U	ug/L
34413	Bromomethane	0	ug/L
32102	Carbon tetrachloride	0.50 U	ug/L
34301	Chlorobenzene	0.50 U	ug/L
34311	Chloroethane	0.50 U	ug/L
34576	2-Chloroethylvinyl ether	0.50 U	ug/L
32106	Chloroform	0.50 U	ug/L
34418	Chloromethane	0.50 U	ug/L
34536	1,2-dichlorobenzene	0.50 U	ug/L
34566	1,3-Dichlorobenzene	0.50 U	ug/L
34571	1,4-Dichlorobenzene	0.50 U	ug/L
32105	Dibromochloromethane	0.50 U	ug/L
34496	1,1-Dichloroethane	0.50 U	ug/L
34531	1,2-Dichloroethane	0.50 U	ug/L
34501	1,1-Dichloroethene	0.50 U	ug/L
34546	trans-1,2-Dichloroethene	0.50 U	ug/L
34541	1,2-Dichloropropane	0.50 U	ug/L
34561	cis-1,3-Dichloropropene	0.50 U	ug/L
34561	trans-1,3-Dichloropropene	0.50 U	ug/L
34371	Ethylbenzene	0.50 U	ug/L
34423	Methylene chloride	0.50 U	ug/L
34516	1,1,2,2-Tetrachloroethane	0.50 U	ug/L
34475	Tetrachloroethene	0.50 U	ug/L
34506	1,1,1-Trichloroethane	0.50 U	ug/L
34511	1,1,2-Trichloroethane	0.50 U	ug/L
39180	Trichloroethene	0.50 U	ug/L
34010	Toluene	0.50 U	ug/L
39175	Vinyl chloride	0.50 U	ug/L
81551	Xylenes	0.50 U	ug/L
	Trichlorofluoromethane	0.50 U	ug/L

Comments(1): 0 due to analytical problem only associated with
Bromomethane.

Sample ID: 67363/93-DEC-16-06-04 Matrix: W-TRIP-BLK
Location: DEP LABORATORY
Field ID: TRIP BLANK
Collected: 27-SEP-1993 14:00 By: L HARRIS
Authorized: 17-DEC-1993 By: Mei-Fang Shyu
Type: Grab Sample
Lab Comments: DEP COOLER TEMP=2DC
Field Comments:

Analysis ID: W-VOC-MS-A
Volatiles in wtr or waste wtr by 624/5030-8240
Prepared: NA By:
Analyzed: 17-DEC-1993 00:00 By: Hui Liu
Authorized: 17-DEC-1993 By: Jusheng Qi
Sample exceeded holding time prior to analysis.

Storet#	Analyte	Value	Units
34030	Benzene	0.50 U	ug/L
32101	Bromodichloromethane	0.50 U	ug/L
32104	Bromoform	0.50 U	ug/L
34413	Bromomethane	0	ug/L
32102	Carbon tetrachloride	0.50 U	ug/L
34301	Chlorobenzene	0.50 U	ug/L
34311	Chloroethane	0.50 U	ug/L
34576	2-Chloroethylvinyl ether	0.50 U	ug/L
32106	Chloroform	0.50 U	ug/L
34418	Chloromethane	0.50 U	ug/L
34536	1,2-Dichlorobenzene	0.50 U	ug/L
34566	1,3-Dichlorobenzene	0.50 U	ug/L
34571	1,4-Dichlorobenzene	0.50 U	ug/L
32105	Dibromochloromethane	0.50 U	ug/L
34496	1,1-Dichloroethane	0.50 U	ug/L
34531	1,2-Dichloroethane	0.50 U	ug/L
34501	1,1-Dichloroethene	0.50 U	ug/L
34546	trans-1,2-Dichloroethene	0.50 U	ug/L
34541	1,2-Dichloropropane	0.50 U	ug/L
34561	cis-1,3-Dichloropropene	0.50 U	ug/L
34561	trans-1,3-Dichloropropene	0.50 U	ug/L
34371	Ethylbenzene	0.50 U	ug/L
34423	Methylene chloride	0.50 U	ug/L
34516	1,1,2,2-Tetrachloroethane	0.50 U	ug/L
34475	Tetrachloroethene	0.50 U	ug/L
34506	1,1,1-Trichloroethane	0.50 U	ug/L
34511	1,1,2-Trichloroethane	0.50 U	ug/L
39180	Trichloroethene	0.50 U	ug/L
34910	Toluene	0.50 U	ug/L
39175	Vinyl chloride	0.50 U	ug/L
81551	Xylenes	0.50 U	ug/L
	Trichlorofluoromethane	0.50 U	ug/L

Comments(1): 0 due to analytical problem only associated with
Bromomethane.

17-DEC-1993

Page 6 of 6

***** END OF REPORT *****

FR EWF



Lawton Chiles
Governor

Florida Department of Environmental Protection

Port St. Lucie Branch Office
1801 S.E. Hillmoor Drive, Suite C-204
Port St. Lucie, Florida 34952

(407) 871-7662
(407) 335-4310

Virginia B. Wetherell
Secretary

FAX TRANSMITTAL LETTER

DATE: 15 Dec, 93 NUMBER OF PAGES: 4
(Including this page)

TO: FAX TELEPHONE NUMBER: _____

NAME: Nanny Delosantos

AGENCY: DEP-WPB

COMMENTS:

FROM: Terry Davis

TRANSMITTAL ON A HITACHI HIFAX #35
NUMBER: 407/871-7666 suncom 222-7666

IF ANY OF THE PAGES ARE NOT CLEARLY RECEIVED
PLEASE CALL: 407/871-7662
SENDERS NAME: Terry L. Davis

**FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM**

PMAS NO.:
Requestor:
Project ID:

Sample ID: _____

Sample Location: Florida Tire Recycling Collection Date: 15 Dec, 93
Field ID/Name: 51-FTR-1 Collection Time _____
Storet Station Number: _____ Grab: 1055
NPDES Number: _____ Composite Begin: _____ End: _____

WATER		BLANKS	SOIL/SEDIMENT	TISSUE	CHEMICAL WASTE
☒ SURFACE(FRESH)	☐ INFLUENT	☐ TRIP BLANK	☐ SOIL	☐ PLANT	
☐ SURFACE(SALT)	☐ EFFLUENT	☐ FIELD BLANK	☐ FRESHWATER SEDIMENT	☐ FISH	☐ CHEM WASTE
☐ GROUND		☐ EQUIPMENT BLANK	☐ MARINE SEDIMENT	☐ SHELLFISH	
☐ DRINKING			☐ SLUDGE	☐ OTHER	

Field Parameters Measured By: T. Davis
Signature: T. Davis
Sampled By: T. Davis / A. Delasanta
Signature: T. Davis
Field Report Prepared By: T. Davis
Signature: T. Davis

Field Parameters:
Depth (Feet): _____
Chlorine, Total Residual - 50060 (mg/L): _____
Dissolved Oxygen(Probe) - 00299 (mg/L): _____
pH - 00400 (Std. Units): 6.80
Salinity - 00480 (PPTH): _____
Secchi Depth - 00078 (m): _____
Specific Conductance - 00094 (umho/cm): _____
Temperature - 00010 (C): 17.1

Analyses	Bottle Type	# Bottles	Preservatives
<u>Metals</u>	<u>1000ml plastic</u>	<u>1</u>	<u>HNO3</u>
<u>O & G</u>	<u>wide mouth glass</u>	<u>2</u>	<u>ICE</u>
<u>(BNA) Semi Volatiles</u>	<u>1 liter brown glass</u>	<u>2</u>	<u>ICE</u>
<u>Volatiles</u>	<u>40ml glass vial</u>	<u>3</u>	<u>ICE</u>

Sample taken at north end of culvert @ entrance to Dairy Feed Inc. Background sample. Samples taken directly into containers

Send Final Report To: _____

**FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM**

PMAS NO.:
Requestor:
Project ID:

Sample ID: _____

Sample Location: Florida Tire Recycling Collection Date: 15 Dec 93
Field ID/Name: 51-FTR-2 Collection Time: 11:25
Storet Station Number: _____ Grab: _____
NPDES Number: _____ Composite Begin: _____ End: _____

WATER		BLANKS	SOIL/SEDIMENT	TISSUE	CHEMICAL WASTE
☒ SURFACE (FRESH)	☐ INFLUENT	☐ TRIP BLANK	☐ SOIL	☐ PLANT	
☐ SURFACE (SALT)	☐ EFFLUENT	☐ FIELD BLANK	☐ FRESHWATER SEDIMENT	☐ FISH	☐ CHEM WASTE
☐ GROUND		☐ EQUIPMENT BLANK	☐ MARINE SEDIMENT	☐ SHELLFISH	
☐ DRINKING			☐ SLUDGE	☐ OTHER	

Field Parameters Measured By: T. Davis
Signature: T. Davis
Sampled By: T. Davis, M. DeJasanto
Signature: T. Davis
Field Report Prepared By: T. Davis
Signature: T. Davis

Field Parameters:

Depth (Feet): _____
Chlorine, Total Residual - 50060 (mg/L): _____
Dissolved Oxygen (Probe) - 00299 (mg/L): _____
pH - 00400 (Std. Units): 6.77
Salinity - 00480 (PPTH): _____
Secchi Depth - 00078 (m): _____
Specific Conductance - 00094 (umho/cm): _____
Temperature - 00010 (C): 17.2

Analyses	Bottle Type	# Bottles	Preservatives
<u>Metals</u>	<u>1000 ml plastic</u>	<u>1</u>	<u>HNO₃</u>
<u>O&G</u>	<u>wide mouth glass</u>	<u>2</u>	<u>Ice</u>
<u>Semi Volatiles</u>	<u>1 liter brown glass</u>	<u>2</u>	<u>Ice</u>
<u>BNA's</u>			
<u>Volatiles</u>	<u>40 ml glass vial</u>	<u>3</u>	<u>Ice</u>

Sample taken at north end of culvert
at south end of FTR property, just south
of mouth of canal dug by F.T.R. Canal
closed approximately 1 hour before sampling
with earthen plug.

Send Final Report To: _____

**FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
CENTRAL LABORATORY SAMPLE SUBMITTAL FORM**

PMAS NO.:
Requestor:
Project ID:

Sample ID: _____

Sample Location: Florida Tire Recycling Collection Date: 15 Dec 93
Field ID/Name: 51-FTR-3 Collection Time: _____
Storet Station Number: _____ Grab: 11:35
NPDES Number: _____ Composite Begin: _____ End: _____

WATER		BLANKS	SOIL/SEDIMENT	TISSUE	CHEMICAL WASTE
☒ SURFACE (FRESH)	☐ INFLUENT	☐ TRIP BLANK	☐ SOIL	☐ PLANT	
☐ SURFACE (SALT)	☐ EFFLUENT	☐ FIELD BLANK	☐ FRESHWATER SEDIMENT	☐ FISH	☐ CHEM WASTE
☐ GROUND		☐ EQUIPMENT BLANK	☐ MARINE SEDIMENT	☐ SHELLFISH	
☐ DRINKING			☐ SLUDGE	☐ OTHER	

Field Parameters Measured By: T. Davis
Signature: T. Davis
Sampled By: T. Davis / M. De lasanta
Signature: T. Davis / M. De lasanta
Field Report Prepared By: T. Davis
Signature: T. Davis

Field Parameters:
Depth (Feet): _____
Chlorine, Total Residual - 50060 (mg/L): _____
Dissolved Oxygen (Probe) - 00289 (mg/L): _____
pH - 00400 (Std. Units): 7.12
Salinity - 00480 (PPTH): _____
Secchi Depth - 00078 (m): _____
Specific Conductance - 00094 (umho/cm): _____
Temperature - 00010 (C): 16.4

Analyses	Bottle Type	# Bottles	Preservatives
<u>Metals</u>	<u>1000ml plastic</u>	<u>1</u>	<u>HNO₃</u>
<u>O & B</u>	<u>wide mouth glass</u>	<u>2</u>	<u>Ice</u>
<u>Semivolatiles (BNA)</u>	<u>1 liter brown glass</u>	<u>2</u>	<u>Ice</u>
<u>Volatiles</u>	<u>40 ml glass vial</u>	<u>3</u>	<u>Ice</u>

Sample taken at north end of culvert at entrance to FTR. Current flowing to the north, visible to the naked eye.

Send Final Report To: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL LABORATORY
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RECEIVED

DEC 29 1993

CHEMICAL ANALYSIS REPORT
-----DEPT. OF ENV. PROTECTION
WEST PALM BEACH

Request ID: RQ-93-DEC-13-28
Job ID: 93-DEC-16-10 Project: OTHER
Job Name: Tire Recycle - Job created on 16-DEC-1993 10:11:
Date Received: 16-DEC-1993 Customer ID: SE-PSL-WTF
Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Submitted By: SE DIST. (PORT ST LUCIE) - WATER FACILITIE
1801 S.E. Hillmoor Dr., Suite 204
Port St. Lucie, Florida 34952
Attn: Terry Davis

For Additional Information, Please Contact
G. William Coppenger, Ph.D.
Yuh-Hsu Pan, Ph.D.
Timothy W. Fitzpatrick
Liang-Tsair Lin, Ph.D.
Suncom 277-2571
(904) 487-2571

Certified By: Hlan Date: 12-23-93

Abbreviations & Storet Codes:

- A - Value reported is the mean of two or more determinations
- B - Results based on colony counts outside the acceptable range.
- I - Value reported is less than the minimum quantitation limit, and greater than or equal to the minimum detection limit.
- J - Estimated value
- K - Actual value is known to be less than value given
- L - Actual value is known to be greater than value given
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected;
The value reported is the minimum detection limit.
- V - Analyte was detected in both sample and method blank.
- Z - Colonies were too numerous to count (TNTC).

Sample ID: 67380/93-DEC-16-10-01 Matrix: W-SURF-FRH
Location: FLORIDA TIRE RECYCLING
Field ID: 51-FTR-1
Collected: 15-DEC-1993 10:55 By: T DAVIS/M DELOSANTOS
Authorized: 22-DEC-1993 By: Tim Fitzpatrick
Type: Grab Sample
Lab Comments: SAMPLE ARRIVED @ ROOM TEMP
Field Comments: SAMPLE TAKEN @ N END OF CULVERT @ ENTRANCE TO DAIRY FEED INC. BKGRND SMPL.SMPLS

Analysis ID: CD-G-W
Cadmium in liquid samples by Method 213.2 (Graphite Furnace)
Prepared: 16-DEC-1993 18:38 By: Dana Otto
Analyzed: 20-DEC-1993 12:03 By: Christie Mohammad
Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01027	Cadmium	0.08 U	ug/L

Analysis ID: CU-G-W
Copper in water samples by Method 220.2 (Graphite Furnace)
Prepared: NA By:
Analyzed: 21-DEC-1993 16:00 By: Christie Mohammad
Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01042	Copper	2.6 I	ug/L

Analysis ID: PB-G-W
Lead in liquid samples by Method 239.2 (Graphite Furnace)
Prepared: 16-DEC-1993 18:38 By: Dana Otto
Analyzed: 21-DEC-1993 13:59 By: Christie Mohammad
Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01051	Lead	2.0 U	ug/L

67380/93-DEC-16-10-01 Continued from Page 2

Analysis ID: W-ICP-23

ICP multielement analysis of aqueous samples by Method 200.7

Prepared: 16-DEC-1993 18:38 By: Dana Otto

Analyzed: 17-DEC-1993 14:48 By: Mehrzad Emad

Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01106	Aluminum	247	ug/L
01002	Arsenic	20 U	ug/L
01097	Antimony	15 U	ug/L
01007	Barium	29	ug/L
01012	Beryllium	2 U	ug/L
01027	Cadmium	3 U	ug/L
00916	Calcium	59.3 J	mg/L
01034	Chromium	10 U	ug/L
01037	Cobalt	3 U	ug/L
01042	Copper	0	ug/L
01045	Iron	470	ug/L
01051	Lead	15 U	ug/L
00927	Magnesium	21.7	mg/L
01055	Manganese	42	ug/L
01067	Nickel	5 U	ug/L
00937	Potassium	9.4	mg/L
01147	Selenium	30 U	ug/L
01077	Silver	3 U	ug/L
00929	Sodium	118 J	mg/L
01082	Strontium	2230	ug/L
01059	Thallium	50 U	ug/L
01087	Vanadium	3 U	ug/L
01092	Zinc	644	ug/L
Comment	Recoveries for Be and Ca were outside control limits.		

Sample ID: 67381/93-DEC-16-10-02

Matrix: W-SURF-FRH

Location: FLORIDA TIRE RECYCLING

Field ID: 51-FTR-2

Collected: 15-DEC-1993 11:25

By: T DAVIS/M DELOSANTOS

Authorized: 22-DEC-1993

By: Tim Fitzpatrick

Type: Grab Sample

Lab Comments: SAMPLE ARRIVED @ ROOM TEMP

Field Comments: SAMPLE TAKEN @ N END OF CULVERT @ S END OF FTR PROPERTY JUST S OF CANAL OF MOUTH

67381/93-DEC-16-10-02 Continued on Page 4

67381/93-DEC-16-10-02 Continued from Page 3

Analysis ID: CD-G-W

Cadmium in liquid samples by Method 213.2 (Graphite Furnace)

Prepared: 16-DEC-1993 18:38 By: Dana Otto

Analyzed: 20-DEC-1993 12:03 By: Christie Mohammad

Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01027	Cadmium	0.08 U	ug/L

Analysis ID: CU-G-W

Copper in water samples by Method 220.2 (Graphite Furnace)

Prepared: NA By:

Analyzed: 21-DEC-1993 16:00 By: Christie Mohammad

Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01042	Copper	4.4 J	ug/L

Analysis ID: PB-G-W

Lead in liquid samples by Method 239.2 (Graphite Furnace)

Prepared: 16-DEC-1993 18:38 By: Dana Otto

Analyzed: 21-DEC-1993 13:59 By: Christie Mohammad

Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01051	Lead	5.1	ug/L

Analysis ID: W-ICP-23

ICP multi-element analysis of aqueous samples by Method 200.7

Prepared: 16-DEC-1993 18:38 By: Dana Otto

Analyzed: 17-DEC-1993 16:16 By: Mehrzad Emad

Authorized: 22-DEC-1993 By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01106	Aluminum	11300	ug/L
01002	Arsenic	20 U	ug/L
01097	Antimony	15 U	ug/L
01007	Barium	55	ug/L

67381/93-DEC-16-10-02/W-ICP-23

Continued from Page 4

Storet#	Analyte	Value	Units
01012	Beryllium	2 U	ug/L
01027	Cadmium	3 U	ug/L
00916	Calcium	56.3 J	mg/L
01034	Chromium	11 I	ug/L
01037	Cobalt	3 U	ug/L
01042	Copper	0	ug/L
01045	Iron	6940	ug/L
01051	Lead	15 U	ug/L
00927	Magnesium	13.8	mg/L
01055	Manganese	210	ug/L
01067	Nickel	6 I	ug/L
00937	Potassium	8.5	mg/L
01147	Selenium	30 U	ug/L
01077	Silver	3 U	ug/L
00929	Sodium	67.0 J	mg/L
01082	Strontium	1350	ug/L
01059	Thallium	50 U	ug/L
01087	Vanadium	14	ug/L
01092	Zinc	174	ug/L

Comment Recoveries for Be and Ca were outside control limits.

Sample ID: 67382/93-DEC-16-10-03

Matrix: W-SURF-FRH

Location: FLORIDA TIRE RECYCLING

Field ID: 51-FTR-3

Collected: 15-DEC-1993 11:35

By: T DAVIS/M DELOSANTOS

Authorized: 22-DEC-1993

By: Tim Fitzpatrick

Type: Grab Sample

Lab Comments: SAMPLE ARRIVED @ ROOM TEMP

Field Comments: SAMPLE TAKEN @ N END OF CULVERT @ ENTRANCE TO FTR.CURRENT FLOWING TO THE N,VISIB

Analysis ID: CD-G-W

Cadmium in liquid samples by Method 213.2 (Graphite Furnace)

Prepared: 16-DEC-1993 18:38

By: Dana Otto

Analyzed: 20-DEC-1993 12:03

By: Christie Mohammad

Authorized: 22-DEC-1993

By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01027	Cadmium	0.08 U	ug/L

67382/93-DEC-16-10-03 Continued on Page 6

67382/93-DEC-16-10-03 Continued from Page 5

Analysis ID: CU-G-W

Copper in water samples by Method 220.2 (Graphite Furnace)

Prepared: NA

By:

Analyzed: 21-DEC-1993 16:00

By: Christie Mohammad

Authorized: 22-DEC-1993

By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01042	Copper	2.8 I	ug/L

Analysis ID: PB-G-W

Lead in liquid samples by Method 239.2 (Graphite Furnace)

Prepared: 16-DEC-1993 18:38

By: Dana Otto

Analyzed: 21-DEC-1993 13:59

By: Christie Mohammad

Authorized: 22-DEC-1993

By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01051	Lead	2.0 U	ug/L

Analysis ID: W-ICP-23

ICP multielement analysis of aqueous samples by Method 200.7

Prepared: 16-DEC-1993 18:38

By: Dana Otto

Analyzed: 17-DEC-1993 16:22

By: Mehrzad Emad

Authorized: 22-DEC-1993

By: Tim Fitzpatrick

Storet#	Analyte	Value	Units
01106	Aluminum	557	ug/L
01002	Arsenic	20 U	ug/L
01097	Antimony	15 U	ug/L
01007	Barium	34	ug/L
01012	Beryllium	2 U	ug/L
01027	Cadmium	3 U	ug/L
00916	Calcium	58.7 J	mg/L
01034	Chromium	10 U	ug/L
01037	Cobalt	3 U	ug/L
01042	Copper	0	ug/L
01045	Iron	514	ug/L
01051	Lead	15 U	ug/L
00927	Magnesium	20.8	mg/L
01055	Manganese	36	ug/L
01067	Nickel	5 U	ug/L
00937	Potassium	10.3	mg/L
01147	Selenium	30 U	ug/L

TEL:

Jan 03 94

10:32 No.002 P.01

Southeast District Laboratory
1801 S.E. Hillmoor Dr.
Pt. St. Lucie FL 34952

Project: FL TIRE RECYCLING Type: WR

Requested By: DAVIS

Site	Date	Time	Depth	Log	Samplers
FTR-1	931215	1055	0.5	6647	DAVIS/DELOSANTES
FTR-2	931215	1125	0.5	6648	DAVIS/DELOSANTES
FTR-3	931215	1135	0.5	6649	DAVIS/DELOSANTES

Parameter	Units	Code	Site ID FTR-1	Site ID FTR-2	Site ID FTR-3
Log Number	CODE	29	6647	6648	6649
Water temperature	°C	10	17.1	17.2	16.4
Turbidity	NTU	76	7	148	17
Conductivity	µmho/cm	94	1230	721	1175
pH	units	400	6.80	6.71	7.12
Alkalinity	mg/l	410	125.1A	137.6	119.5
Chloride	mg/l	940	256.7	117.0A	246.7

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To: <i>Manuel Delosantes</i>	From: <i>Terry Davis</i>
Co: <i>FDER</i>	Co: <i>FDER-PSL</i>
Dept: <i>WPB</i>	Phone #
Fax # <i>403 2466</i>	Fax #

A denotes mean, B counts unacceptable, J estimate, K less than
L greater than, OO data lost, P too numerous to count, Q out of
holding time, T value below detection limit, U not detected