SITE: Firestone-Albany
BREAK: 3.2
OTHER:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

8/13-14/91

*****MEMORANDUM******

DATE: 08/30/91

SUBJECT: Results of Purgeable Organic Analysis;
91-873 FIRESTONE TIRE & RUB
ALBANY GA

FROM: Frank Allen, Chemist

TO: WADE KNIGHT

THRU: Tom B. Bennett, Jr.
Chief, Organic Chemistry Section

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

SEP 03 1991

10190570

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 08/29/91

** PROJECT NO. 91-878 SAMPLE NO. 60888 SAMPLE TYPE: SEDIM PROG ELEM: SSF COLLECTED BY: M EICK **
** SOURCE: FIRESTONE TIRE & RUB CITY: ALBANY ST: GA **
** STATION ID: SD-3-01 ARNOLD POND COLLECTION START: 08/13/91 0850 STOP: 00/00/00 **

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
NA	CHLOROMETHANE	NA	CIS-1,3-DICHLOROPROPENE
NA	VINYL CHLORIDE	NA	METHYL ISOBUTYL KETONE
NA	BROMOMETHANE	NA	TOLUENE
NA	CHLOROETHANE	NA	TRANS-1,3-DICHLOROPROPENE
NA	TRICHLOROFLUOROMETHANE	NA	1,1,2-TRICHLOROETHANE
NA	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	NA	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
NA	ACETONE	NA	1,3-DICHLOROPROPANE
NA	CARBON DISULFIDE	NA	METHYL BUTYL KETONE
NA	METHYLENE CHLORIDE	NA	DIBROMOCHLOROMETHANE
NA	TRANS-1,2-DICHLOROETHENE	NA	CHLOROBENZENE
NA	1,1-DICHLOROETHANE	NA	1,1,1,2-TETRACHLOROETHANE
NA	VINYL ACETATE	NA	ETHYL BENZENE
NA	CIS-1,2-DICHLOROETHENE	NA	(M- AND/OR P-)XYLENE
NA	2,2-DICHLOROPROPANE	NA	O-XYLENE
NA	METHYL ETHYL KETONE	NA	STYRENE
NA	BROMOCHLOROMETHANE	NA	BROMOFORM
NA	CHLOROFORM	NA	BROMOBENZENE
NA	1,1,1-TRICHLOROETHANE	NA	1,1,2,2-TETRACHLOROETHANE
NA	1,1-DICHLOROPROPENE	NA	1,2,3-TRICHLOROPROPANE
NA	CARBON TETRACHLORIDE	NA	O-CHLOROTOLUENE
NA	1,2-DICHLOROETHANE	NA	P-CHLOROTOLUENE
NA	BENZENE	NA	1,3-DICHLOROBENZENE
NA	TRICHLOROETHENE(TRICHLOROETHYLENE)	NA	1,4-DICHLOROBENZENE
NA	1,2-DICHLOROPROPANE	NA	1,2-DICHLOROBENZENE
NA	DIBROMOMETHANE		PERCENT MOISTURE
NA	BROMODICHLOROMETHANE		

REMARKS
SAMPLE LOST DURING PREPARATION OR ANALYSIS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 08/29/91

PROJECT NO. 91-878 SAMPLE NO. 60889 SAMPLE TYPE: SEDIM
SOURCE: FIRESTONE TIRE & RUB
STATION ID: DRW-7-10-14 BURN PIT AREA

PROG ELEM: SSF COLLECTED BY: M EICK
CITY: ALBANY ST: GA
COLLECTION START: 08/13/91 1530 STOP: 00/00/00

UG/KG	ANALYTICAL RESULTS
64U	CHLOROMETHANE
64U	VINYL CHLORIDE
64U	BROMOMETHANE
64U	CHLOROETHANE
64U	TRICHLOROFLUOROMETHANE
64U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
640U	ACETONE
160U	CARBON DISULFIDE
130U	METHYLENE CHLORIDE
64U	TRANS-1,2-DICHLOROETHENE
64U	1,1-DICHLOROETHANE
160U	VINYL ACETATE
64U	CIS-1,2-DICHLOROETHENE
64U	2,2-DICHLOROPROPANE
640U	METHYL ETHYL KETONE
64U	BROMOCHLOROMETHANE
64U	CHLOROFORM
64U	1,1,1-TRICHLOROETHANE
64U	1,1-DICHLOROPROPENE
64U	CARBON TETRACHLORIDE
64U	1,2-DICHLOROETHANE
64U	BENZENE
64U	TRICHLOROETHENE(TRICHLOROETHYLENE)
64U	1,2-DICHLOROPROPANE
64U	DIBROMOMETHANE
64U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
64U	CIS-1,3-DICHLOROPROPENE
160U	METHYL ISOBUTYL KETONE
64U	TOLUENE
64U	TRANS-1,3-DICHLOROPROPENE
64U	1,1,2-TRICHLOROETHANE
64U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
64U	1,3-DICHLOROPROPANE
160U	METHYL BUTYL KETONE
64U	DIBROMOCHLOROMETHANE
64U	CHLOROBENZENE
64U	1,1,1,2-TETRACHLOROETHANE
64U	ETHYL BENZENE
64U	(M- AND/OR P-)XYLENE
64U	O-XYLENE
64U	STYRENE
64U	BROMOFORM
64U	BROMOBENZENE
64U	1,1,2,2-TETRACHLOROETHANE
64U	1,2,3-TRICHLOROPROPANE
64U	O-CHLOROTOLUENE
64U	P-CHLOROTOLUENE
64U	1,3-DICHLOROBENZENE
64U	1,4-DICHLOROBENZENE
64U	1,2-DICHLOROBENZENE
29.0	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 08/29/91

PROJECT NO. 91-878 SAMPLE NO. 60978 SAMPLE TYPE: SOIL
SOURCE: FIRESTONE TIRE & RUB
STATION ID: RW-6

PROG ELEM: SSF COLLECTED BY: WAYNE REVELS
CITY: ALBANY ST: GA
COLLECTION START: 08/14/91 0820 STOP: 00/00/00

UG/KG	ANALYTICAL RESULTS
48U	CHLOROMETHANE
48U	VINYL CHLORIDE
48U	BROMOMETHANE
48U	CHLOROETHANE
48U	TRICHLOROFLUOROMETHANE
48U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
480U	ACETONE
120U	CARBON DISULFIDE
96U	METHYLENE CHLORIDE
48U	TRANS-1,2-DICHLOROETHENE
48U	1,1-DICHLOROETHANE
120U	VINYL ACETATE
48U	CIS-1,2-DICHLOROETHENE
48U	2,2-DICHLOROPROPANE
480U	METHYL ETHYL KETONE
48U	BROMOCHLOROMETHANE
48U	CHLOROFORM
48U	1,1,1-TRICHLOROETHANE
48U	1,1-DICHLOROPROPENE
48U	CARBON TETRACHLORIDE
48U	1,2-DICHLOROETHANE
48U	BENZENE
48U	TRICHLOROETHENE(TRICHLOROETHYLENE)
48U	1,2-DICHLOROPROPANE
48U	DIBROMOMETHANE
48U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
48U	CIS-1,3-DICHLOROPROPENE
120U	METHYL ISOBUTYL KETONE
48U	TOLUENE
48U	TRANS-1,3-DICHLOROPROPENE
48U	1,1,2-TRICHLOROETHANE
48U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
48U	1,3-DICHLOROPROPANE
120U	METHYL BUTYL KETONE
48U	DIBROMOCHLOROMETHANE
48U	CHLOROBENZENE
48U	1,1,1,2-TETRACHLOROETHANE
48U	ETHYL BENZENE
48U	(M- AND/OR P-)XYLENE
48U	O-XYLENE
48U	STYRENE
48U	BROMOFORM
48U	BROMOBENZENE
48U	1,1,2,2-TETRACHLOROETHANE
48U	1,2,3-TRICHLOROPROPANE
48U	O-CHLOROTOLUENE
48U	P-CHLOROTOLUENE
48U	1,3-DICHLOROBENZENE
48U	1,4-DICHLOROBENZENE
48U	1,2-DICHLOROBENZENE
13.0	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD. ATHENS. GA.

PURGEABLE ORGANICS DATA REPORT 08/29/91

PROJECT NO. 91-878 SAMPLE NO. 60979 SAMPLE TYPE: SOIL
SOURCE: FIRESTONE TIRE & RUB
STATION ID: DRW-6-0

PROG ELEM: SSF COLLECTED BY: WAYNE REVELS
CITY: ALBANY ST: GA
COLLECTION START: 08/14/91 1350 STOP: 00/00/00

UG/KG	ANALYTICAL RESULTS
43U	CHLOROMETHANE
43U	VINYL CHLORIDE
43U	BROMOMETHANE
43U	CHLOROETHANE
43U	TRICHLOROFLUOROMETHANE
43U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
430U	ACETONE
110U	CARBON DISULFIDE
86U	METHYLENE CHLORIDE
43U	TRANS-1,2-DICHLOROETHENE
43U	1,1-DICHLOROETHANE
110U	VINYL ACETATE
43U	CIS-1,2-DICHLOROETHENE
43U	2,2-DICHLOROPROPANE
430U	METHYL ETHYL KETONE
43U	BROMOCHLOROMETHANE
43U	CHLOROFORM
43U	1,1,1-TRICHLOROETHANE
43U	1,1-DICHLOROPROPENE
43U	CARBON TETRACHLORIDE
43U	1,2-DICHLOROETHANE
43U	BENZENE
43U	TRICHLOROETHENE(TRICHLOROETHYLENE)
43U	1,2-DICHLOROPROPANE
43U	DIBROMOMETHANE
43U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
43U	CIS-1,3-DICHLOROPROPENE
110U	METHYL ISOBUTYL KETONE
43U	TOLUENE
43U	TRANS-1,3-DICHLOROPROPENE
43U	1,1,2-TRICHLOROETHANE
43U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
43U	1,3-DICHLOROPROPANE
110U	METHYL BUTYL KETONE
43U	DIBROMOCHLOROMETHANE
43U	CHLOROBENZENE
43U	1,1,1,2-TETRACHLOROETHANE
43U	ETHYL BENZENE
43U	(M- AND/OR P-)XYLENE
43U	O-XYLENE
43U	STYRENE
43U	BROMOFORM
43U	BROMOBENZENE
43U	1,1,2,2-TETRACHLOROETHANE
43U	1,2,3-TRICHLOROPROPANE
43U	O-CHLOROTOLUENE
43U	P-CHLOROTOLUENE
43U	1,3-DICHLOROBENZENE
43U	1,4-DICHLOROBENZENE
43U	1,2-DICHLOROBENZENE
10.0	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.
08/29/91

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

*** ***
** PROJECT NO. 91-878 SAMPLE NO. 60889 SAMPLE TYPE: SEDIM PROG ELEM: SSF COLLECTED BY: M EICK **
** SOURCE: FIRESTONE TIRE & RUB CITY: ALBANY ST: GA **
** STATION ID: DRW-7-10-14 BURN PIT AREA COLLECTION START: 08/13/91 1530 STOP: 00/00/00 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

600JN	ISOPROPANOL

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.