UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

10-6

DATE 1-30-86

SUBJECT Transmittal of Laboratory Data

R-07-8408-23A

FROM Bob Kleopfer RQK
Chief, Laboratory Branch, ENSV

Site: Syntex Verona
ID #: MOD007452154
Break: 3.3
Other: EPA
1-30-86

TO Hensley

75
12/900
84
60

Analyses have been completed for the following activities and the data results are attached.

Activity No.	Description
BK651	Syntex
	(complete transmital)

40032169
SUPERFUND RECORDS

Attachments

cc: Data Files

RECEIVED
FEB 03 1986
E&E K.C.K.

EPA Form 1320-6 (Rev. 3-76)

800 SWH 3113

EPA REGION VII
DATA QUALIFICATION CODES

U - Compound was not detected.

M - Compound was qualitatively identified; however, quantitative value is less than contract required detection limits (CLP data); or value is less than limit of quantitation (EPA data).

J - Compound was qualitatively identified; however, compound failed to meet all QA criteria and therefore is only an estimated value.

I - Analysis attempted, but no results can be reported.

O - Sample lost or not analyzed.

L - Value known to be higher than value reported.

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 0900 Leader: BLACKMAN

Sample Number: BK651001 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER,) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from Monitoring Well # 1

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1105 Leader: BLACKMAN

Sample Number: BK651002 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER,) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from Monitoring Well #5

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1135 Leader: BLACKMAN

Sample Number: BK651003 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from Monitoring Well # 6

The sample had an odor and foamed

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1515 Leader: BLACKMAN

Sample Number: BK651004 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from Monitoring Well # 7
The sample had an odor and foamed

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1435 Leader: BLACKMAN

Sample Number: BK651005 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from Monitoring Well # 8

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1550 Leader: BLACKMAN

Sample Number: BK651006F — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: N.A. Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank
D.I. water pumped through well Wizard from Monitoring Well #1

IBM-PC

DATE :01/30/86
DATABASE: SYN
REPORT FOR SITE: SYNTEX PROPERTY

SITE	EPA NO	DIOXIN VALUE	C	R	V	SAMPLED	DESCRIPTION
SYN	BK651001	.001	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #1, 10-15' DEPTH
SYN	BK651002	.002	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #5, 10-15' DEPTH
SYN	BK651003	.001	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #6, 10-15' DEPTH
SYN	BK651004	.001	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #7, 10-15' DEPTH
SYN	BK651005	.002	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #8, 10-15' DEPTH
SYN	BK651006F	.001	U		V	11/14/85	FIELD BLANK, DI WATER PUMPED THROUGH WELL WIZARD FROM MONITORING WELL #1

VALIDATED DIOXIN DATA FOR SYNTEX PROPERTY

DATE :01/30/86

SITE	EPA NO		AMOUNT		SAMPLED	DESCRIPTION
SYN	BK651001	LESS THAN	.001	PPB	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #1, 10-15' DEPTH
SYN	BK651002	LESS THAN	.002	PPB	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #5, 10-15' DEPTH
SYN	BK651003	LESS THAN	.001	PPB	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #6, 10-15' DEPTH
SYN	BK651004	LESS THAN	.001	PPB	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #7, 10-15' DEPTH
SYN	BK651005	LESS THAN	.002	PPB	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #8, 10-15' DEPTH
SYN	BK651006F	LESS THAN	.001	PPB	11/14/85	FIELD BLANK, DI WATER PUMPED THROUGH WELL WIZARD FROM MONITORING WELL #1

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E34

MATRIX: WATER
METHOD: 9521M08
REVIEWER: _____

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651001		BK651002		BK651003		BK651004	
N-NITROSODIMETHYLAMINE		I		I		I		I
PHENOL	14.0	U		I	6.00	M	10.0	U
ANILINE		I		I		I		I
BIS(2-CHLOROETHYL) ETHER	14.0	U	10.0	U	10.0	U	10.0	U
2-CHLOROPHENOL	14.0	U		I	10.0	U	10.0	U
1,3 DICHLOROBENZENE	14.0	U	10.0	U	14.0	J	11.0	J
1,4 DICHLOROBENZENE	14.0	U	26.0	J	160	J	160	J
BENZYL ALCOHOL	14.0	U	10.0	U	10.0	U	10.0	U
1,2 DICHLOROBENZENE	14.0	U	10.0	U	33.0	J	11.0	J
2-METHYLPHENOL	14.0	U		I	10.0	U	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	14.0	U	10.0	U	10.0	U	10.0	U
4-METHYLPHENOL	14.0	U		I	7.00	M	10.0	U
N-NITROSO-DIPROPYLAMINE	14.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROETHANE	14.0	U	10.0	U	10.0	U	10.0	U
NITROBENZENE	14.0	U	10.0	U	10.0	U	10.0	U
ISOPHORONE	14.0	U	10.0	U	10.0	U	10.0	U
2-NITROPHENOL	14.0	U		I	10.0	U	10.0	U
2,4-DIMETHYLPHENOL	14.0	U		I	10.0	U	10.0	U
BENZOIC ACID	70.0	U		I	64.0	J	50.0	U
BIS(2-CHLOROETHOXY) METHANE	14.0	U	10.0	U	10.0	U	10.0	U
2,4 DICHLOROPHENOL	14.0	U		I	47.0	J	10.0	U
1,2,4-TRICHLOROBENZENE	14.0	U	10.0	U	10.0	U	10.0	U
NAPHTHALENE	14.0	U	10.0	U	5.00	M	10.0	U
4-CHLOROANILINE	14.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROBUTADIENE	14.0	U	10.0	U	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL	14.0	U		I	10.0	U	10.0	U
2-METHYLNAPHTHALENE	14.0	U	10.0	U	4.00	M	10.0	U
HEXACHLOROCYCLOPENTADIENE	14.0	U	10.0	U	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL	14.0	U		I	10.0	U	10.0	U
2,4,5-TRICHLOROPHENOL	70.0	U		I	50.0	U	50.0	U
2-CHLORONAPHTHALENE	14.0	U	10.0	U	10.0	U	10.0	U
2-NITROANILINE	70.0	U	50.0	U	50.0	U	50.0	U
DIMETHYLPHTHALATE	14.0	U	10.0	U	10.0	U	10.0	U
ACENAPHTHYLENE	14.0	U	10.0	U	10.0	U	10.0	U
3-NITROANILINE	70.0	U	50.0	U	50.0	U	50.0	U
ACENAPHTHENE	14.0	U	10.0	U	10.0	U	10.0	U
2,4-DINITROPHENOL	14.0	U		I	10.0	U	10.0	U
4-NITROPHENOL	70.0	U		I	50.0	U	50.0	U
DIBENZOFURAN	14.0	U	10.0	U	10.0	U	10.0	U
2,4-DINITROTOULENE	14.0	U	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E35

MATRIX: WATER
METHOD: 9521M08
REVIEWER: _____

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651001		BK651002		BK651003		BK651004	
2,6-DINITROTOLUENE	10.0	U	10.0	U	10.0	U	10.0	U
DIETHYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U	10.0	U
FLUORENE	10.0	U	10.0	U	10.0	U	10.0	U
4-NITROANILINE	50.0	U	50.0	U	50.0	U	50.0	U
4,6-DINITRO-2-METHYLPHENOL	50.0	U		I	50.0	U	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U	10.0	U	10.0	U	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROBENZENE	10.0	U	10.0	U	10.0	U	10.0	U
PENTACHLOROPHENOL	50.0	U		I	50.0	U	50.0	U
PHENANTHRENE	10.0	U	10.0	U	10.0	U	10.0	U
ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZIDINE		I		I		I		I
PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U	20.0	U	20.0	U	20.0	U
BENZO(A)ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	10.0	U	19.0	U	10.0	U	10.0	U
CHRYSENE	10.0	U	10.0	U	10.0	U	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(B)FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(K)FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(A)PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E37

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5276
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651005		BK651006F	
N-NITROSODIMETHYLAMINE		I		I
PHENOL		I	10.0	U
ANILINE		I		I
BIS(2-CHLOROETHYL) ETHER	10.0	U	10.0	U
2-CHLOROPHENOL		I	10.0	U
1,3 DICHLOROBENZENE	10.0	U	10.0	U
1,4 DICHLOROBENZENE	10.0	U	10.0	U
BENZYL ALCOHOL	10.0	U	10.0	U
1,2 DICHLOROBENZENE	10.0	U	10.0	U
2-METHYLPHENOL		I	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	10.0	U	10.0	U
4-METHYLPHENOL		I	10.0	U
N-NITROSO-DIPROPYLAMINE	10.0	U	10.0	U
HEXACHLOROETHANE	10.0	U	10.0	U
NITROBENZENE	10.0	U	10.0	U
ISOPHORONE	10.0	U	10.0	U
2-NITROPHENOL		I	10.0	U
2,4-DIMETHYLPHENOL		I	10.0	U
BENZOIC ACID		I	50.0	U
BIS(2-CHLOROETHOXY) METHANE	10.0	U	10.0	U
2,4 DICHLOROPHENOL		I	10.0	U
1,2,4-TRICHLOROBENZENE	10.0	U	10.0	U
NAPHTHALENE	10.0	U	10.0	U
4-CHLOROANILINE	10.0	U	10.0	U
HEXACHLOROBUTADIENE	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL		I	10.0	U
2-METHYLNAPHTHALENE	10.0	U	10.0	U
HEXACHLOROCYCLOPENTADIENE	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL		I	10.0	U
2,4,5-TRICHLOROPHENOL		I	50.0	U
2-CHLORONAPHTHALENE	10.0	U	10.0	U
2-NITROANILINE	50.0	U	50.0	U
DIMETHYLPHTHALATE	10.0	U	10.0	U
ACENAPHTHYLENE	10.0	U	10.0	U
3-NITROANILINE	50.0	U	50.0	U
ACENAPHTHENE	10.0	U	10.0	U
2,4-DINITROPHENOL		I	10.0	U
4-NITROPHENOL		I	50.0	U
DIBENZOFURAN	10.0	U	10.0	U
2,4-DINITROTOULENE	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E38

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5276
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651005		BK651006F	
2,6-DINITROTOLUENE	10.0	U	10.0	U
DIETHYLPHTHALATE	10.0	U	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U
FLUORENE	10.0	U	10.0	U
4-NITROANILINE	50.0	U	50.0	U
4,6-DINITRO-2-METHYLPHENOL		I	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U
HEXACHLOROBENZENE	10.0	U	10.0	U
PENTACHLOROPHENOL		I	50.0	U
PHENANTHRENE	10.0	U	10.0	U
ANTHRACENE	10.0	U	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U	10.0	U
FLUORANTHENE	10.0	U	10.0	U
BENZIDINE		I		I
PYRENE	10.0	U	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U	20.0	U
BENZO(A)ANTHRACENE	10.0	U	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	24.0	U	~~84.0~~ 110	Dm
CHRYSENE	10.0	U	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U	10.0	U
BENZO(B)FLUORANTHENE	10.0	U	10.0	U
BENZO(K)FLUORANTHENE	10.0	U	10.0	U
BENZO(A)PYRENE	10.0	U	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U	10.0	U

TITLE: SYNTEX
LAB: LAU
ANALYST/ENTRY: LT

MATRIX: WATER
METHOD: 9521M00
REVIEWER: GS

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME**	FRACTION	EST.	CONC.*
BK651002	ETHANONE,1-(1-METHYL-2CYCLO-PENTENE-1-YL)-	BNA	36	J
BK651002	ETHANONE,1-(1-METHYL-2CYCLO-PENTENE-1-YL)-	BNA	10	J
BK651002	BENZENE,1,1-OXYBIS-	BNA	29	J
BK651002	HEXANEDIOIC ACID,DIOCTYLESTER	BNA	101	J
BK651003	BENZENE, CHLORO-	BNA	48	J
BK651003	BENZENE, ETHYL-	BNA	68	J
BK651003	BENZENE, 1,2-DIMETHYL-	BNA	156	J
BK651003	BENZENE, 1,2-DIMETHYL-	BNA	119	J
BK651003	BENZENE, (1-METHYLETHYL)-	BNA	15	J
BK651003	BENZENE, 1,2,3,-TRIMETHYL	BNA	23	J
BK651003	BENZENE, 4-ETHYL-1,2-DIMETHYL	BNA	19	J
BK651003	PHENOL, 4-CHLORO-	BNA	110	J
BK651003	BENZENEACETIC ACID	BNA	9	J
BK651003	BENZENEACETIC ACID	BNA	31	J
BK651003	BENZENE, 1,1'-OXYBIS-	BNA	120	J
BK651004	BENZENE, CHLORO-	BNA	22	J
BK651004	BENZENE, ETHYL-	BNA	14	J
BK651004	BENZENE, 1,2-DIMETHYL-	BNA	30	J
BK651004	BENZENE, 1,1'-OXYBIS-	BNA	34	J
BK651006F	HEXANEDIOIC ACID, DIOCTYLESTER	BNA	386	J
BK651001	1 UNKNOWN	BNA	27	J
BK651002	4 UNKNOWNS	BNA	24-139	J
BK651003	14 UNKNOWNS	BNA	8-129	J
BK651004	16 UNKNOWNS	BNA	5-48	J
BK651005	4 UNKNOWNS	BNA	10-50	J

*This is a crude estimation based on response relative to an internal standard. An authentic standard has not been run.

**The compounds were identified using a library search routine. Authentic standards have not been analyzed to verify compound mass spectra and retention times.

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E36

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651001		BK651002		BK651003		BK651004	
ALPHA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U	0.5	U	0.5	U
TOXAPHENE	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U	1.00	U	1.00	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E39

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5276
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651005		BK651006F	
ALPHA-BHC	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U
TOXAPHENE	1.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U

Case No.: 5275 Laboratory: LAU

Contract No.: 68-01-7024 Method No.: 9521M00

SMO No.: G2026-32 EPA No.: BK651001-07P

Site: Syntex Matrix: Water

We have reviewed the above case. The following are our findings:

1. Technical holding times were exceeded in this data package for semi-volatiles and pesticides. The samples were collected on 11/14/85 and shipped to the lab on 11/22/85. Initial extractions were performed on 11/27-28/85; reextractions were performed on 12/12/85. Data review protocol requires "J" coding positive compound levels reported above the CRDLs.

2. Positive levels of bis(2-ethylhexyl)phthalate, the greatest of which (109 PPB) was found in the field blank, were contained in blanks associated with this data set. A 10X rule was applied to qualify positive levels of bis(2-ethylhexyl)phthalate in the samples.

3. All compounds contained in audit OCLP028401 (BK651007P/G2032) were qualitatively identified, except for PCB 1254, which was reported at less than the CRDL.

4. Reanalyses were performed on several samples because acid surrogate percent recoveries were outside of control windows. Of the reanalyses, BK651002 and -005 failed to improve surrogate recovery. All data for the reanalyzed samples were included in this data report. The compounds corresponding to the acids portion in samples BK651002 and -005 were invalidated.