1,$

Date: 10/23/87

Appendix 1

US ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL SERVICE DIVISION
HOUSTON LABORATORY SECTION

LAB SAMPLE REPORT

Activity Number: 7TFAKC21 Date Recvd: 09/22/87 Date Collected: 09/22/87
Sample Number: 1 Time Recvd: 14:00 Time Collected: 10:12

Source: GRANT RD DRUM SITE Tag Number: 6-22345
Site Description: Sta#GR01 Drum GR01
Sample Type: WATER
Sample Retention:

Param- Organic: VOA
Metals: HSL
Inorganic:
Biology:

Due Date: 10/25/87
Date Projected: 10/25/87
Date Completed: 10/23/87
Comment:
Your Initials: LC

9024356

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2101 DATE REPORTED: 10/20/87

SAMPLE TYPE: Water

ANALYST: Richard McMillin

VOLATILE COMPOUNDS BY METHOD 624

PP#	CAS#		(ug/l)
	67-64-1	acetone	ND DL= 50
(2V)	107-02-8	acrolein	ND DL=1000
(3V)	107-13-1	acrylonitrile	ND DL=1000
(4V)	71-43-2	benzene	ND DL= 20
	78-93-3	2-butanone	ND DL= 50
	75-15-0	carbon disulfide	ND DL= 50
(6V)	56-23-5	carbon tetrachloride	ND DL= 20
(7V)	108-90-7	chlorobenzene	ND DL= 20
(10V	107-06-2	1,2-dichloroethane	ND DL= 20
(11V)	71-55-6	1,1,1-trichloroethane	ND DL= 20
(13V)	75-34-3	1,1-dichloroethane	ND DL= 20
(14V)	79-00-5	1,1,2-trichloroethane	ND DL= 20
(15V)	79-34-5	1,1,2,2-tetrachloroethane	ND DL= 20
(16V)	75-00-3	chloroethane	ND DL= 50
(23V)	67-66-3	chloroform	ND DL= 20
(29V)	75-35-4	1,1-dichloroethene	ND DL= 20
(30V)	156-60-5	trans-1,2-dichloroethene	ND DL= 20
(32V)	78-87-5	1,2-dichloropropane	ND DL= 20
(33V)	10061-02-6	trans-1,3-dichloropropene	ND DL= 20
	10061-01-5	cis-1,3-dichloropropene	ND DL= 20
(38V)	100-41-4	ethylbenzene	46.4
	519-78-6	2-hexanone	ND DL= 50
	108-10-1	4-methyl-2-pentanone	ND DL= 50
(44V)	75-09-2	methylene chloride	ND DL= 20
(45V)	74-87-3	chloromethane	ND DL= 50
(46V)	74-83-9	bromomethane	ND DL= 50
(47V)	75-25-2	bromoform	ND DL= 20
(48V)	75-27-4	bromodichloromethane	ND DL= 20
(51V)	124-48-1	chlorodibromomethane	ND DL= 20
	100-42-5	styrene	ND DL= 50
(85V)	127-18-4	tetrachloroethene	ND DL= 20
(86V)	108-88-3	toluene	ND DL= 20
(87V)	79-01-6	trichloroethene	ND DL= 20
	108-05-4	vinyl acetate	ND DL= 50
(88V)	75-01-4	vinyl chloride	ND DL= 50
	95-47-6	o-xylene	1,120
	108-38-3	m-xylene and/or	
	106-42-3	p-xylene	2,250

** NOTE: This sample was not collected in a VOA container and was received with a large volume of trapped air.

Attachment 1

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2101 DATE REPORTED: 10/20/87

SAMPLE TYPE: Water

ANALYST: Richard McMillin

TENTATIVE COMPOUNDS BY METHOD 624

SCAN#	CAS #	EST.CONC (ug/l)	COMPOUND NAME
			No VOA TIC's detected.

* ANALYSTS NOTE ! - THE COMPOUNDS LISTED ARE TENATIVELY IDENTIFIED BY THE BEST MATCH WITH THE NIH/EPA/WILEY MASS SPECTRAL DATA BASE OR BY MANUAL MASS SPECTRA INTERPRETATION. STANDARDS WERE NOT AVAILABLE FOR CONFIRMATION OR QUANTITATION.
** Estimated concentration is based on a RF of 1.0 to internal standard !

*** NOTE: This sample was not collected in a VOA container and was received with a large volume of trapped air.

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Date: 10/23/87

Appendix 2

US ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL SERVICE DIVISION
HOUSTON LABORATORY SECTION

LAB SAMPLE REPORT

Activity Number: 7TFAKC21 Date Recvd: 09/22/87 Date Collected: 09/22/87
Sample Number: 2 Time Recvd: 14:00 Time Collected: 10:20

Source: GRANT RD DRUM SITE Tag Number: 6-22346
Site Description: Sta#GR02 Drum GR02
Sample Type: SOIL
Sample Retention:

Param- Organic: ABN PCB PES VOA
Metals: HSL
Inorganic: CN
Biology:

Due Date: 10/25/87
Date Projected: 10/25/87
Date Completed: 10/23/87
Comment:
Your Initials: LC

Attachment 2

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2102 DATE REPORTED: 10/20/87

SAMPLE TYPE: Soil

ANALYST: Richard McMillin

VOLATILE COMPOUNDS BY METHOD 624

PP#	CAS#		(ug/Kg)
	67-64-1	acetone	ND DL= 100
(2V)	107-02-8	acrolein	ND DL=2000
(3V)	107-13-1	acrylonitrile	ND DL=2000
(4V)	71-43-2	benzene	ND DL= 40
	78-93-3	2-butanone	ND DL= 100
	75-15-0	carbon disulfide	ND DL= 100
(6V)	56-23-5	carbon tetrachloride	ND DL= 40
(7V)	108-90-7	chlorobenzene	ND DL= 40
(10V	107-06-2	1,2-dichloroethane	ND DL= 40
(11V)	71-55-6	1,1,1-trichloroethane	ND DL= 40
(13V)	75-34-3	1,1-dichloroethane	ND DL= 40
(14V)	79-00-5	1,1,2-trichloroethane	ND DL= 40
(15V)	79-34-5	1,1,2,2-tetrachloroethane	ND DL= 40
(16V)	75-00-3	chloroethane	ND DL= 100
(23V)	67-66-3	chloroform	ND DL= 40
(29V)	75-35-4	1,1-dichloroethene	ND DL= 40
(30V)	156-60-5	trans-1,2-dichloroethene	ND DL= 40
(32V)	78-87-5	1,2-dichloropropane	ND DL= 40
(33V)	10061-02-6	trans-1,3-dichloropropene	ND DL= 40
	10061-01-5	cis-1,3-dichloropropene	ND DL= 40
(38V)	100-41-4	ethylbenzene	ND DL= 40
	519-78-6	2-hexanone	ND DL= 100
	108-10-1	4-methyl-2-pentanone	ND DL= 100
(44V)	75-09-2	methylene chloride	ND DL= 40
(45V)	74-87-3	chloromethane	ND DL= 100
(46V)	74-83-9	bromomethane	ND DL= 100
(47V)	75-25-2	bromoform	ND DL= 40
(48V)	75-27-4	bromodichloromethane	ND DL= 40
(51V)	124-48-1	chlorodibromomethane	ND DL= 40
	100-42-5	styrene	ND DL= 100
(85V)	127-18-4	tetrachloroethene	ND DL= 40
(86V)	108-88-3	toluene	ND DL= 40
(87V)	79-01-6	trichloroethene	ND DL= 40
	108-05-4	vinyl acetate	ND DL= 100
(88V)	75-01-4	vinyl chloride	ND DL= 100
	95-47-6	o-xylene	ND DL= 100
	108-38-3	m-xylene and/or	
	106-42-3	p-xylene	ND DL= 100

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2102 DATE REPORTED: 10/20/87

SAMPLE TYPE: Soil

ANALYST: Richard McMillin

TENTATIVE COMPOUNDS BY METHOD 624

SCAN#	CAS #	EST.CONC (ug/Kg)	COMPOUND NAME
			No VOA TIC's detected.

* ANALYSTS NOTE ! - THE COMPOUNDS LISTED ARE TENATIVELY IDENTIFIED BY THE BEST MATCH WITH THE NIH/EPA/WILEY MASS SPECTRAL DATA BASE OR BY MANUAL MASS SPECTRA INTERPRETATION. STANDARDS WERE NOT AVAILABLE FOR CONFIRMATION OR QUANTITATION.
** Estimated concentration is based on a RF of 1.0 to internal standard !

Attachment 2

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC21-02 DATE REPORTED: 10/20/87

SAMPLE TYPE: SOIL ANALYST:MARVELYN HUMPHREY

HSL ACID BASE/NEUTRAL COMPOUNDS BY METHOD 625

COMPOUND	ug/KG	COMPOUND	ug/KG
Phenol	nd dl=1200	Acenaphthene	nd dl= 600
bis(2-Chloroethyl) Ether	nd dl= 600	2,4-Dinitrophenol	nd dl=9000
2-Chlorophenol	nd dl=1200	4-Nitrophenol	nd dl=2400
1,3-Dichlorobenzene	nd dl= 600	Dibenzofuran	nd dl= 600
1,4-Dichlorobenzene	nd dl= 600	2,4-Dinitrotoluene	nd dl=1800
Benzyl Alcohol	nd dl=1200	2,6-Dinitrotoluene	nd dl=1800
1,2-Dichlorobenzene	nd dl= 600	Diethylphthalate	nd dl= 600
2-Methylphenol	nd dl=1800	4-Chlorophenylphenyl Ether	nd dl=2400
bis(2-chloroisopropyl)Ether	nd dl= 600	Fluorene	nd dl= 600
4-Methylphenol	nd dl=1800	4-Nitroaniline	nd dl=2400
N-Nitroso-Di-n-Propylamine	nd dl=1800	4,6-Dinitro-2-Methylphenol	nd dl=6000
Hexachloroethane	nd dl= 600	N-Nitrosodiphenylamine	nd dl=1200
Nitrobenzene	nd dl= 600	4-Bromophenylphenyl Ether	nd dl=2400
Isophorone	nd dl=1200	Hexachlorobenzene	nd dl= 600
2-Nitrophenol	nd dl=3000	Pentachlorophenol	nd dl=4500
2,4-Dimethylphenol	nd dl=1800	Phenanthrene	nd dl= 600
Benzoic Acid	nd dl=3000	Anthracene	nd dl= 600
bis(2-Chloroethoxy)Methane	nd dl= 600	Di-n-Butylphthalate	nd dl= 600
2,4-Dichlorophenol	nd dl=1800	Fluoranthene	nd dl= 600
1,2,4-trichlorobenzene	nd dl= 600	Benzidine	nd dl=6000
Naphthalene	nd dl= 600	Pyrene	nd dl= 600
4-Chloroaniline	nd dl=1200	Butylbenzylphthalate	nd dl=1200
Hexachlorobutadiene	nd dl= 600	3,3'-Dichlorobenzidine	nd dl=3000
4-Chloro-3-Methylphenol	nd dl=2400	Benzo(a)Anthracene	nd dl=2400
2-Methylnaphthalene	nd dl= 600	bis-(2-Ethylhexyl)Phthalate	nd dl=1200
Hexachlorocyclopentadiene	nd dl=3000	Chrysene	nd dl=2400
2,4,6-Trichlorophenol	nd dl=1800	Di-n-Octyl Phthalate	nd dl=1200
2,4,5-Trichlorophenol	nd dl=1800	Benzo(b)Fluoranthene	nd dl=2400
2-Chloronaphthalene	nd dl= 600	Benzo(k)Fluoranthene	nd dl=2400
2-Nitroaniline	nd dl=2400	Benzo(a)Pyrene	nd dl=2400
DimethylPhthalate	nd dl= 600	Indeno(1,2,3-cd) Pyrene	nd dl=2400
Acenaphthylene	nd dl= 600	Dibenzo(a,h)Anthracene	nd dl=2400
3-Nitroaniline	nd dl=2400	Benzo(g,h,i)Perylene	nd dl=2400

Attachment 2

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC21-02 DATE REPORTED: 10/20/87

SAMPLE TYPE: SOIL

ANALYST: MARVELYN HUMPHREY

TENTATIVE COMPOUNDS BY METHODS 624 AND 625

SCAN#	CAS #	EST.CONC (ug/KG)	COMPOUND NAME
460	85449	6550	1,3-ISOBENZOFURANDIONE
551		5025	UNKNOWN
742	629992	9480	PENTECOSANE
971		12100	UNKNOWN
1029	80079	46000	1,1'-SULFONYLBIS(4-CHLORO-)BENZENE
1070		21700	UNKNOWN
1320		9830	UNKNOWN
1390		53450	UNKNOWN
1477		58200	UNKNOWN
1552		18200	UNKNOWN
1585		221000	UNKNOWN

* ANALYSTS NOTE ! - THE COMPOUNDS LISTED ARE TENATIVELY IDENTIFIED BY THE BEST MATCH WITH THE NIH/EPA/WILEY MASS SPECTRAL DATA BASE OR BY MANUAL MASS SPECTRA INTERPRETATION. STANDARDS WERE NOT AVAILABLE FOR CONFIRMATION OR QUANTITATION.
** Estimated concentration is based on a RF of 1.0 to internal standard !

Attachment 2

PESTICIDE/PCB ANALYSIS

6ES-HL SAMPLE NO.: 7TFAKC21-02 DATE REPORTED: 10/22/87

SAMPLE TYPE: SOIL

ANALYST: JOHN LAY

PP#	CAS#		UG/KG (PPB)
(89P)	309-00-2	aldrin	ND DL=< 50
(90P)	60-57-1	deildrin	ND DL=< 50
(91P)	57-74-9	chlordane	ND DL=< 100
(92P)	50-29-3	4,4'-DDT	ND DL=< 50
(93P)	72-55-9	4,4'-DDE	ND DL=< 50
(94P)	72-54-8	4,4'-DDD	ND DL=< 50
(95P)	115-29-7	a-endosulfan	ND DL=< 50
(96P)	115-29-7	b-endosulfan	ND DL=< 50
(97P)	1031-07-8	endosulfan sulfate	ND DL=< 50
(98P)	72-20-8	endrin	ND DL=< 50
(99P)	7421-93-4	endrin aldehyde	ND DL=< 50
(100P)	76-44-8	heptachlor	ND DL=< 50
(101P)	1024-57-3	heptachlor epoxide	ND DL=< 50
(102P)	319-84-6	a-BHC	ND DL=< 50
(103P)	319-85-7	b-BHC	ND DL=< 50
(104P)	319-86-8	d-BHC	ND DL=< 50
(105P)	58-89-9	g-BHC (lindane)	ND DL=< 50
(106P)	53469-21-9	PCB-1242	ND DL=< 500
(107P)	11097-69-1	PCB-1254	ND DL=< 500
(108P)	11104-28-2	PCB-1221	ND DL=< 700
(109P)	11141-16-5	PCB-1232	ND DL=< 500
(110P)	12672-29-6	PCB-1248	ND DL=< 500
(111P)	11096-82-5	PCB-1260	ND DL=< 500
(112P)	12674-11-2	PCB-1016	ND DL=< 500
(113P)	8001-35-2	toxaphene	ND DL=< 500
		methoxychlor	ND DL=< 50
		mirex	ND DL=< 50
		PCB-1262	ND DL=< 500

US EPA HOUSTON BRANCH

SAMPLE #	SOURCE	TYPE	DATE REC	DATE DIG	DATE REP
7TFAKC2102	GRANT ROAD DRUM SITE	SOIL	22-SEP-87	23-SEP-87	23-OCT-87
ANALYSTS	M. COLE/R.CLARK/T.SANDERS				

PARAMETER	CONCENTRATION	DET. LIMITS (DL)	UNITS
AS	10.69	0.71	MG/KG
SE	ND	7.15	MG/KG
TL	ND	0.71	MG/KG
HG	ND	0.145	MG/KG
AL	1044	159	MG/KG
SB	ND	96	MG/KG
BA	767	16	MG/KG
BE	ND	8	MG/KG
CD	ND	8	MG/KG
CA	58436	239	MG/KG
CR	8678	16	MG/KG
CO	226	32	MG/KG
CU	92	32	MG/KG
FE	31073	40	MG/KG
PB	4616	48	MG/KG
MG	12200	239	MG/KG
MN	190	8	MG/KG
NI	ND	32	MG/KG
K	3146	1594	MG/KG
AG	ND	16	MG/KG
NA	ND	797	MG/KG
SN	ND	64	MG/KG
V	ND	48	MG/KG
ZN	11429	8	MG/KG

INORGANICS

CN	<3.9	MG/KG

COMMENTS: ANALYSIS REPORTED ON A DRY WEIGHT BASIS

ND= NONE DETECTED DL= DETECTION LIMITS

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Date: 10/23/87

Appendix 3

US ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL SERVICE DIVISION
HOUSTON LABORATORY SECTION

LAB SAMPLE REPORT

Activity Number: 7TFAKC21 Date Recvd: 09/22/87 Date Collected: 09/22/87
Sample Number: 3 Time Recvd: 14:00 Time Collected: 10:30

Source: GRANT RD DRUM SITE Tag Number: 6-22347
Site Description: Sta#GR03 Drum GR03
Sample Type: WATER
Sample Retention:

Param- Organic: VOA
Metals: HSL
Inorganic:
Biology:

Due Date: 10/25/87
Date Projected: 10/25/87
Date Completed: 10/23/87
Comment:
Your Initials: LC

Attachment 3

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2103 DATE REPORTED: 10/20/87

SAMPLE TYPE: Water

ANALYST: Richard McMillin

VOLATILE COMPOUNDS BY METHOD 624

PP#	CAS#		(ug/l)
	67-64-1	acetone	ND DL= 50
(2V)	107-02-8	acrolein	ND DL=1000
(3V)	107-13-1	acrylonitrile	ND DL=1000
(4V)	71-43-2	benzene	ND DL= 20
	78-93-3	2-butanone	ND DL= 50
	75-15-0	carbon disulfide	ND DL= 50
(6V)	56-23-5	carbon tetrachloride	ND DL= 20
(7V)	108-90-7	chlorobenzene	ND DL= 20
(10V	107-06-2	1,2-dichloroethane	ND DL= 20
(11V)	71-55-6	1,1,1-trichloroethane	ND DL= 20
(13V)	75-34-3	1,1-dichloroethane	ND DL= 20
(14V)	79-00-5	1,1,2-trichloroethane	ND DL= 20
(15V)	79-34-5	1,1,2,2-tetrachloroethane	ND DL= 20
(16V)	75-00-3	chloroethane	ND DL= 50
(23V)	67-66-3	chloroform	ND DL= 20
(29V)	75-35-4	1,1-dichloroethene	ND DL= 20
(30V)	156-60-5	trans-1,2-dichloroethene	ND DL= 20
(32V)	78-87-5	1,2-dichloropropane	ND DL= 20
(33V)	10061-02-6	trans-1,3-dichloropropene	ND DL= 20
	10061-01-5	cis-1,3-dichloropropene	ND DL= 20
(38V)	100-41-4	ethylbenzene	ND DL= 20
	519-78-6	2-hexanone	ND DL= 50
	108-10-1	4-methyl-2-pentanone	ND DL= 50
(44V)	75-09-2	methylene chloride	ND DL= 20
(45V)	74-87-3	chloromethane	ND DL= 50
(46V)	74-83-9	bromomethane	ND DL= 50
(47V)	75-25-2	bromoform	ND DL= 20
(48V)	75-27-4	bromodichloromethane	ND DL= 20
(51V)	124-48-1	chlorodibromomethane	ND DL= 20
	100-42-5	styrene	ND DL= 50
(85V)	127-18-4	tetrachloroethene	ND DL= 20
(86V)	108-88-3	toluene	ND DL= 20
(87V)	79-01-6	trichloroethene	ND DL= 20
	108-05-4	vinyl acetate	ND DL= 50
(88V)	75-01-4	vinyl chloride	ND DL= 50
	95-47-6	o-xylene	12,000
	108-38-3	m-xylene and/or	
	106-42-3	p-xylene	27,800

** NOTE: This sample was not collected in a VOA container and was received with a large volume of trapped air.

Attachment 3

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2103 DATE REPORTED: 10/20/87

SAMPLE TYPE: Water

ANALYST: Richard McMillin

TENTATIVE COMPOUNDS BY METHOD 624

SCAN#	CAS #	EST.CONC (ug/l)	COMPOUND NAME
267		686	cis-1,2-dichloroethene

* ANALYSTS NOTE ! - THE COMPOUNDS LISTED ARE TENATIVELY IDENTIFIED BY THE BEST MATCH WITH THE NIH/EPA/WILEY MASS SPECTRAL DATA BASE OR BY MANUAL MASS SPECTRA INTERPRETATION. STANDARDS WERE NOT AVAILABLE FOR CONFIRMATION OR QUANTITATION.
** Estimated concentration is based on a RF of 1.0 to internal standard !

*** NOTE: This sample was not collected in a VOA container and was received with a large volume of trapped air.

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Date: 10/23/87

Appendix 4

US ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL SERVICE DIVISION
HOUSTON LABORATORY SECTION

LAB SAMPLE REPORT

Activity Number: 7TFAKC21 Date Recvd: 09/22/87 Date Collected: 09/22/87
Sample Number: 4 Time Recvd: 14:00 Time Collected: 10:33

Source: GRANT RD DRUM SITE Tag Number: 6-22348
Site Description: Sta#GR04 Drum GR04
Sample Type: SLUDGE
Sample Retention:

Param- Organic: ABN PCB PES VOA
Metals: HSL
Inorganic: CN
Biology:

Due Date: 10/25/87
Date Projected: 10/25/87
Date Completed: 10/23/87
Comment:
Your Initials: LC

Attachment 4

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2104 DATE REPORTED: 10/20/87

SAMPLE TYPE: Sludge

ANALYST: Richard McMillin

VOLATILE COMPOUNDS BY METHOD 624

PP#	CAS#		(ug/Kg)
	67-64-1	acetone	ND DL=2500000
(2V)	107-02-8	acrolein	ND DL=50000000
(3V)	107-13-1	acrylonitrile	ND DL=50000000
(4V)	71-43-2	benzene	ND DL=1000000
	78-93-3	2-butanone	ND DL=2500000
	75-15-0	carbon disulfide	ND DL=2500000
(6V)	56-23-5	carbon tetrachloride	ND DL=1000000
(7V)	108-90-7	chlorobenzene	ND DL=1000000
(10V	107-06-2	1,2-dichloroethane	ND DL=1000000
(11V)	71-55-6	1,1,1-trichloroethane	ND DL=1000000
(13V)	75-34-3	1,1-dichloroethane	ND DL=1000000
(14V)	79-00-5	1,1,2-trichloroethane	ND DL=1000000
(15V)	79-34-5	1,1,2,2-tetrachloroethane	ND DL=1000000
(16V)	75-00-3	chloroethane	ND DL=2500000
(23V)	67-66-3	chloroform	ND DL=1000000
(29V)	75-35-4	1,1-dichloroethene	ND DL=1000000
(30V)	156-60-5	trans-1,2-dichloroethene	ND DL=1000000
(32V)	78-87-5	1,2-dichloropropane	ND DL=1000000
(33V)	10061-02-6	trans-1,3-dichloropropene	ND DL=1000000
	10061-01-5	cis-1,3-dichloropropene	ND DL=1000000
(38V)	100-41-4	ethylbenzene	22,300,000
	519-78-6	2-hexanone	ND DL=2500000
	108-10-1	4-methyl-2-pentanone	ND DL=2500000
(44V)	75-09-2	methylene chloride	ND DL=1000000
(45V)	74-87-3	chloromethane	ND DL=2500000
(46V)	74-83-9	bromomethane	ND DL=2500000
(47V)	75-25-2	bromoform	ND DL=1000000
(48V)	75-27-4	bromodichloromethane	ND DL=1000000
(51V)	124-48-1	chlorodibromomethane	ND DL=1000000
	100-42-5	styrene	ND DL=2500000
(85V)	127-18-4	tetrachloroethene	ND DL=1000000
(86V)	108-88-3	toluene	1,350,000
(87V)	79-01-6	trichloroethene	6,100,000
	108-05-4	vinyl acetate	ND DL=2500000
(88V)	75-01-4	vinyl chloride	ND DL=2500000
	95-47-6	o-xylene	33,400,000
	108-38-3	m-xylene and/or	
	106-42-3	p-xylene	92,000,000

Attachment 4

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC2104 DATE REPORTED: 10/20/87

SAMPLE TYPE: Sludge

ANALYST: Richard McMillin

TENTATIVE COMPOUNDS BY METHOD 624

SCAN#	CAS #	EST.CONC (ug/Kg)	COMPOUND NAME
			No VOA TIC's detected.

* ANALYSTS NOTE ! - THE COMPOUNDS LISTED ARE TENATIVELY IDENTIFIED BY THE BEST MATCH WITH THE NIH/EPA/WILEY MASS SPECTRAL DATA BASE OR BY MANUAL MASS SPECTRA INTERPRETATION. STANDARDS WERE NOT AVAILABLE FOR CONFIRMATION OR QUANTITATION.
** Estimated concentration is based on a RF of 1.0 to internal standard !

Attachment 4

ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC21-04 DATE REPORTED: 10/20/87

SAMPLE TYPE: SOIL ANALYST:MARVELYN HUMPHREY

HSL ACID BASE/NEUTRAL COMPOUNDS BY METHOD 625

COMPOUND	ug/KG	COMPOUND	ug/KG
Phenol	nd dl=60000	Acenaphthene	nd dl= 30000
bis(2-Chloroethyl) Ether	nd dl=30000	2,4-Dinitrophenol	nd dl=450000
2-Chlorophenol	nd dl=60000	4-Nitrophenol	nd dl=120000
1,3-Dichlorobenzene	nd dl=30000	Dibenzofuran	nd dl= 30000
1,4-Dichlorobenzene	nd dl=30000	2,4-Dinitrotoluene	nd dl= 90000
Benzyl Alcohol	nd dl=60000	2,6-Dinitrotoluene	nd dl= 90000
1,2-Dichlorobenzene	nd dl= 30000	Diethylphthalate	nd dl= 30000
2-Methylphenol	nd dl= 90000	4Chlorophenylphenyl Ether	nd dl=120000
bis(2chloroisopropyl)Ether	nd dl= 30000	Fluorene	nd dl= 30000
4-Methylphenol	nd dl= 90000	4-Nitroaniline	nd dl=120000
N-Nitroso-Di-n-Propylamine	nd dl= 90000	4,6-Dinitro-2-Methylphenol	nd dl= 30000
Hexachloroethane	nd dl= 30000	N-Nitrosodiphenylamine	nd dl= 60000
Nitrobenzene	nd dl= 30000	4-Bromophenylphenyl Ether	nd dl=120000
Isophorone	nd dl= 60000	Hexachlorobenzene	nd dl= 30000
2-Nitrophenol	nd dl=150000	Pentachlorophenol	nd dl=225000
2,4-Dimethylphenol	nd dl= 90000	Phenanthrene	nd dl= 30000
Benzoic Acid	nd dl=150000	Anthracene	nd dl= 30000
bis(2-Chloroethoxy)Methane	nd dl= 30000	Di-n-Butylphthalate	nd dl= 30000
2,4-Dichlorophenol	nd dl= 90000	Fluoranthene	nd dl= 30000
1,2,4-trichlorobenzene	nd dl= 30000	Benzidine	nd dl=300000
Naphthalene	nd dl= 30000	Pyrene	nd dl= 30000
4-Chloroaniline	nd dl= 60000	Butylbenzylphthalate	nd dl= 60000
Hexachlorobutadiene	nd dl= 30000	3,3'-Dichlorobenzidine	nd dl=150000
4-Chloro-3-Methylphenol	nd dl=120000	Benzo(a)Anthracene	nd dl=120000
2-Methylnaphthalene	nd dl= 30000	bis(2Ethylhexyl)Phthalate	nd dl= 60000
Hexachlorocyclopentadiene	nd dl=150000	Chrysene	nd dl=120000
-,4,6-Trichlorophenol	nd dl= 90000	Di-n-Octyl Phthalate	nd dl= 60000
2,4,5-Trichlorophenol	nd dl= 90000	Benzo(b)Fluoranthene	nd dl=120000
2-Chloronaphthalene	nd dl= 30000	Benzo(k)Fluoranthene	nd dl=120000
2-Nitroaniline	nd dl=120000	Benzo(a)Pyrene	nd dl=120000
DimethylPhthalate	nd dl= 30000	Indeno(1,2,3-cd) Pyrene	nd dl=120000
Acenaphthylene	nd dl= 30000	Dibenzo(a,h)Anthracene	nd dl=120000
3-Nitroaniline	nd dl=120000	Benzo(g,h,i)Perylene	nd dl=120000

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ORGANIC ANALYSIS DATA

6ES-HL SAMPLE NO.: 7TFAKC21-04 DATE REPORTED: 10/20/87

SAMPLE TYPE: SOIL

ANALYST: MARVELYN HUMPHREY

TENTATIVE COMPOUNDS BY METHODS 624 AND 625

SCAN#	CAS #	EST.CONC (ug/KG)	COMPOUND NAME
153	17302282	99500	2,6-DIMETHYL NONANE
212		93200	UNKNOWN
220	25155151	94300	(1-METHYLETHYL)-METHYL BENZENE
230	17588891	107000	2-ETHYL-1,4-DIMETHYL BENZENE
257	11202214	753000	UNDECANE
365		173000	UNKNOWN HYDROCARBON
1033	80079	952000	1,1'-SULFONYL BIS(4-CHLORO)BENZENE
1263		11470000	UNKNOWN
1268		12230000	UNKNOWN

* ANALYSTS NOTE ! - THE COMPOUNDS LISTED ARE TENATIVELY IDENTIFIED BY THE BEST MATCH WITH THE NIH/EPA/WILEY MASS SPECTRAL DATA BASE OR BY MANUAL MASS SPECTRA INTERPRETATION. STANDARDS WERE NOT AVAILABLE FOR CONFIRMATION OR QUANTITATION.
** Estimated concentration is based on a RF of 1.0 to internal standard !

Attachment 4

PESTICIDE/PCB ANALYSIS

6ES-HL SAMPLE NO.: 7TFAKC21-04 DATE REPORTED: 10/22/87

SAMPLE TYPE: OIL

ANALYST: JOHN LAY

PP#	CAS#		UG/KG (PPB)
(89P)	309-00-2	aldrin	ND DL=< 50
(90P)	60-57-1	deildrin	ND DL=< 50
(91P)	57-74-9	chlordane	ND DL=< 100
(92P)	50-29-3	4,4'-DDT	ND DL=< 50
(93P)	72-55-9	4,4'-DDE	ND DL=< 50
(94P)	72-54-8	4,4'-DDD	ND DL=< 50
(95P)	115-29-7	a-endosulfan	ND DL=< 50
(96P)	115-29-7	b-endosulfan	ND DL=< 50
(97P)	1031-07-8	endosulfan sulfate	ND DL=< 50
(98P)	72-20-8	endrin	ND DL=< 50
(99P)	7421-93-4	endrin aldehyde	ND DL=< 50
(100P)	76-44-8	heptachlor	ND DL=< 50
(101P)	1024-57-3	heptachlor epoxide	ND DL=< 50
(102P)	319-84-6	a-BHC	ND DL=< 50
(103P)	319-85-7	b-BHC	ND DL=< 50
(104P)	319-86-8	d-BHC	ND DL=< 50
(105P)	58-89-9	g-BHC (lindane)	ND DL=< 50
(106P)	53469-21-9	PCB-1242	ND DL=< 500
(107P)	11097-69-1	PCB-1254	ND DL=< 500
(108P)	11104-28-2	PCB-1221	ND DL=< 700
(109P)	11141-16-5	PCB-1232	ND DL=< 500
(110P)	12672-29-6	PCB-1248	ND DL=< 500
(111P)	11096-82-5	PCB-1260	ND DL=< 500
(112P)	12674-11-2	PCB-1016	ND DL=< 500
(113P)	8001-35-2	toxaphene	ND DL=< 500
		methoxychlor	ND DL=< 50
		mirex	ND DL=< 50
		PCB-1262	ND DL=< 500

US EPA HOUSTON BRANCH

SAMPLE #	SOURCE	TYPE	DATE REC	DATE DIG	DATE REP
7TFAKC2104	GRANT ROAD DRUM SITE	SOIL	22-SEP-87	23-SEP-87	23-OCT-87

ANALYSTS M. COLE/R.CLARK/T.SANDERS

PARAMETER	CONCENTRATION	DET. LIMITS (DL)	UNITS
AS	5.42	0.78	MG/KG
SE	ND	7.79	MG/KG
TL	ND	0.78	MG/KG
HG	ND	0.189	MG/KG
AL	1702	184	MG/KG
SB	481	110	MG/KG
BA	467	18	MG/KG
BE	ND	9	MG/KG
CD	ND	9	MG/KG
CA	36751	276	MG/KG
CR	5033	18	MG/KG
CO	135	37	MG/KG
CU	62	37	MG/KG
FE	6273	46	MG/KG
PB	7591	55	MG/KG
MG	7276	276	MG/KG
MN	112	9	MG/KG
NI	ND	37	MG/KG
K	ND	1838	MG/KG
AG	ND	18	MG/KG
NA	ND	919	MG/KG
SN	ND	55	MG/KG
V	ND	18	MG/KG
ZN	6046	9	MG/KG

INORGANICS

CN	<23.6	MG/KG

COMMENTS: ANALYSIS REPORTED ON A DRY WEIGHT BASIS

ND= NONE DETECTED DL= DETECTION LIMITS