UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

April 26, 1996

Pollution Cleanup Division

Allan M. Seils
PA/SI Program (MC 142)
Superfund Site Discovery and Assessment Program
Emergency Response & Assessment Program
Pollution Cleanup Division
Texas Natural Resource Conservation Commission
P.O. Box 13087
Austin, Texas 78711-3087

Dear Mr. Seils,

Attached are the EPA Region 6 Houston Laboratory results for samples submitted from the Old Brazos Forge site. Nineteen water samples were received by the Houston Laboratory on March 28-29, 1996 to be analyzed for semi-volatiles, volatiles, pesticides, PCBs, metals, and cyanide. The Houston Laboratory numbers assigned to these samples are 6TFADW0901 through 6TFADW0919.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the results. These procedures are documented in the Region 6 Quality Management Plan, and in the Houston Laboratory Standard Operating Procedures manual. Please note that the results are related only to the samples tested. This final report should only be reproduced in full.

Sincerely,

Douglas Lipka
Chief
Houston Laboratory

Attachments (19)

cc: Bart Canales; 6SF-RA
w/o attachment

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April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0901

Source: OLD BRAZOS FORGE

Site Description: STA. GW-1

Date/Time Received: 3/28/96 10:00

Date/Time Collected: 3/26/96 10:10

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 1

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-01

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 1

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-01 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 1

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-01*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-01	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	251	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	104000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	167	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	2430	150	UG/L
MANGANESE	18	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	1900	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	19200	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	ND	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0902

Source: OLD BRAZOS FORGE

Site Description: STA. GW-2

Date/Time Received: 3/28/96 10:00

Date/Time Collected: 3/26/96 8:43

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 2

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-02

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 2

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-02 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 2

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-02*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-02	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	199	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	122000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	ND	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	2180	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	ND	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	27500	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	100	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0903

Source: OLD BRAZOS FORGE

Site Description: STA. GW-3

Date/Time Received: 3/28/96 10:00

Date/Time Collected: 3/26/96 12:03

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 3

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-03

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 3

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-03 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 3

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: 6TFADW09-03 DATE REPORTED: 4/12/1996
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-03	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	217	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	103000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	779	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	2480	150	UG/L
MANGANESE	11	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	1630	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	18900	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	48	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0904

Source: OLD BRAZOS FORGE

Site Description: STA. FB-1

Date/Time Received: 3/28/96 10:00

Date/Time Collected: 3/26/96 9:43

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

 Attachment : 4

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-04 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0905

Source: OLD BRAZOS FORGE

Site Description: STA. GW-4

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/28/96 11:33

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 5

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-05

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 5

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-05 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	5.6	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND — Means not detected above the listed detection limits.

Attachment 5

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-05* DATE REPORTED: 4/12/1996
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-05	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	324	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	136000	150	UG/L
CHROMIUM	110	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	33	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	2680	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	ND	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	44200	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	347	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0906

Source: OLD BRAZOS FORGE

Site Description: STA. GW-5

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/28/96 11:33

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 6

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-06

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625
(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 6

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-06 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	5.4	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 6

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-06*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-06	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	319	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	134000	150	UG/L
CHROMIUM	122	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	26	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	2640	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	ND	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	43600	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	342	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0907

Source: OLD BRAZOS FORGE

Site Description: STA. GW-6

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/28/96 8:45

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 7

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-07

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 7

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-07 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 7

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-07*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-07	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	5.9	3	UG/L
BARIUM	253	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	99700	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	141	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	4250	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	2100	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	30700	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	ND	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0908

Source: OLD BRAZOS FORGE

Site Description: STA. GW-7

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 10:02

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 8

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-08

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	6.9	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 8

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-08 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 8

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-08*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-08	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	314	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	97600	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	1190	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	4500	150	UG/L
MANGANESE	20	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	2460	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	32200	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	838	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0909

Source: OLD BRAZOS FORGE

Site Description: STA. GW-8

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 11:00

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 9

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-09

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 9

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-09 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND — Means not detected above the listed detection limits.

Attachment 9

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-09*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-09	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	233	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	176000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	30	20	UG/L
IRON	ND	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	2110	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	ND	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	16100	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	ND	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0910

Source: OLD BRAZOS FORGE

Site Description: STA. GW-9

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/28/96 10:17

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 10

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-10

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	5.1	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 10

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-10 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 10

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-10*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-10	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	221	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	95600	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	921	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	4200	150	UG/L
MANGANESE	16	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	2870	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	30800	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	550	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0911

Source: OLD BRAZOS FORGE

Site Description: STA. GW-10

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 11:55

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 11

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-11

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 11

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-11 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 11

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-11* DATE REPORTED: 4/12/1996
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-11	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	148	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	126000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	ND	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	1610	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	ND	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	22600	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	42	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0912

Source: OLD BRAZOS FORGE

Site Description: STA. GW-11

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 11:55

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 12

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-12

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 12

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-12 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 12

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-12*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-12	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	150	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	127000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	ND	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	1630	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	ND	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	22900	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	46	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0913

Source: OLD BRAZOS FORGE

Site Description: STA. GW-12

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/28/96 12:58

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 13

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-13

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

Attachment : 13

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-13

Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens

Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND — Means not detected above the listed detection limits.

Attachment 13

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-13* DATE REPORTED: 4/12/1996
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-13	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	201	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	91000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	3810	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	3960	150	UG/L
MANGANESE	46	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	2240	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	29600	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	312	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0914

Source: OLD BRAZOS FORGE

Site Description: STA. GW-13

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 16:33

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 14

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-14

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 14

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-14 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 14

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-14* DATE REPORTED: 4/12/1996
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-14	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	233	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	97300	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	2120	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	4300	150	UG/L
MANGANESE	22	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	2280	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	31400	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	650	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0915

Source: OLD BRAZOS FORGE

Site Description: STA. GW-14

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 15:00

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 15

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-15

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

Attachment : 15

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-15

Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens

Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

Attachment 15

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: 6TFADW09-15 DATE REPORTED: 4/12/1996
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-15	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	250	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	93800	150	UG/L
CHROMIUM	25	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	ND	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	2130	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	ND	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	47600	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	80	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0916

Source: OLD BRAZOS FORGE

Site Description: STA. GW-15

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/28/96 8:45

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 16

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-16

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 16

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-16 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND — Means not detected above the listed detection limits.

Attachment 16

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-16*
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

DATE REPORTED: 4/12/1996

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-16	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	7.3	3	UG/L
BARIUM	253	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	98900	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	131	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	4250	150	UG/L
MANGANESE	ND	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	2180	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	30800	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	ND	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0917

Source: OLD BRAZOS FORGE

Site Description: STA. GW-16

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 15:55

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
ABN	ACID/BASE NEUTRALS	ORGANIC	COMPLETE	4/26/96
CN	CYANIDE	INORGANIC	COMPLETE	4/26/96
M23	23 SUPERFUND LIST METALS	METALS	COMPLETE	4/26/96
PCB	POLYCHLORINATED BIPHENYLS	ORGANIC	COMPLETE	4/26/96
PES	PESTICIDES	ORGANIC	COMPLETE	4/26/96
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

Attachment: 17

ORGANIC ANALYSIS DATA

6MD-HO Sample NO: 6TFADW09-17

Date Reported: 17-Apr-96

Analyst: D.Gregg

Sample Type: WATER

SEMI-VOLATILE COMPOUNDS BY METHOD 625

(continuous extractor)

units: ug/L

units: ug/L

Compound Name	Results*	Det Limits	Compound Name	Results*	Det Limits
Acenaphthene	ND	2	2,4-Dinitrophenol	ND	30
Acenaphthylene	ND	2	2,4-Dinitrotoluene	ND	6
Anthracene	ND	2	2,6-Dinitrotoluene	ND	6
Benzoic Acid	ND	10	4,6-Dinitro-2-Methylphenol	ND	20
Benzo(a)Anthracene	ND	8	Di-n-Butylphthalate	ND	2
Benzo(a)Pyrene	ND	8	Di-n-Octyl Phthalate	ND	4
Benzo(b)Fluoranthene	ND	8	Fluoranthene	ND	2
Benzo(g,h,i)Perylene	ND	8	Fluorene	ND	2
Benzo(k)Fluoranthene	ND	8	Hexachlorobenzene	ND	2
Benzyl Alcohol	ND	4	Hexachlorobutadiene	ND	5
bis(2-Chloroethoxy)Methane	ND	2	Hexachlorocyclopentadiene	ND	10
bis(2-Chloroethyl) Ether	ND	2	Hexachloroethane	ND	3
bis(2-chloroisopropyl)Ether	ND	2	Indeno(1,2,3-cd) Pyrene	ND	8
bis-(2-Ethylhexyl)Phthalate	ND	4	Isophorone	ND	4
4-Bromophenylphenyl Ether	ND	8	2-Methylnaphthalene	ND	2
Butylbenzylphthalate	ND	4	2-Methylphenol	ND	6
Carbazole	ND	2	4-Methylphenol	ND	6
4-Chloroaniline	ND	4	Naphthalene	ND	2
2-Chloronaphthalene	ND	2	2-Nitroaniline	ND	8
2-Chlorophenol	ND	4	3-Nitroaniline	ND	8
4-Chlorophenylphenyl Ether	ND	8	4-Nitroaniline	ND	8
4-Chloro-3-Methylphenol	ND	8	Nitrobenzene	ND	2
Chrysene	ND	8	2-Nitrophenol	ND	10
Dibenzofuran	ND	2	4-Nitrophenol	ND	13
Dibenzo(a,h)Anthracene	ND	8	N-Nitrosodiphenylamine	ND	4
1,2-Dichlorobenzene	ND	3	N-Nitroso-Di-n-Propylamine	ND	6
1,3-Dichlorobenzene	ND	3	Pentachlorophenol	ND	15
1,4-Dichlorobenzene	ND	3	Phenanthrene	ND	2
3,3'-Dichlorobenzidine	ND	10	Phenol	ND	4
2,4-Dichlorophenol	ND	6	Pyrene	ND	2
Diethylphthalate	ND	2	1,2,4-Trichlorobenzene	ND	20
2,4-Dimethylphenol	ND	6	2,4,5-Trichlorophenol	ND	3
DimethylPhthalate	ND	2	2,4,6-Trichlorophenol	ND	6

(*) ND = Not detected above the listed detection limit.

(*) ND = Not detected above the listed detection limit.

Analyst Notes: none

 Attachment : 17

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-17 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND — Means not detected above the listed detection limits.

Attachment 17

PESTICIDE/PCB ANALYSIS

6MD-HO SAMPLE NO.: *6TFADW09-17* DATE REPORTED: 4/12/1996
SAMPLE TYPE: Water
ANALYST: LARRY STRECK

CAS #		UG/L (PPB)
319-84-6	Alpha-BHC	ND DL=< 0.05
319-85-7	Beta-BHC	ND DL=< 0.05
319-86-8	Delta-BHC	ND DL=< 0.05
58-89-9	Gamma-BHC (Lindane)	ND DL=< 0.05
76-44-8	Heptachlor	ND DL=< 0.05
309-00-2	Aldrin	ND DL=< 0.05
1024-57-3	Heptachlor Epoxide	ND DL=< 0.05
949-98-8	Endosulfan I	ND DL=< 0.05
60-57-1	Dieldrin	ND DL=< 0.10
72-55-9	4,4' DDE	ND DL=< 0.10
72-20-8	Endrin	ND DL=< 0.10
33213-65-9	Endosulfan II	ND DL=< 0.10
72-54-08	4,4' -DDD	ND DL=< 0.10
742193-4	Endrin Aldehyde	ND DL=< 0.10
53494-70-5	Endrin Ketone	ND DL=< 0.10
10341-07-8	Endosulfan Sulfate	ND DL=< 0.10
50-29-3	4,4' -DDT	ND DL=< 0.10
72-43-5	Methoxychlor	ND DL=< 0.50
5103-71-9	Alpha-Chlordane	ND DL=< 0.05
5103-74-2	Gamma- Chlordane	ND DL=< 0.05
8001-35-2	Toxaphene	ND DL=< 5.00
12674-11-2	Aroclor 1016	ND DL=< 1.00
11104-28-2	Aroclor 1221	ND DL=< 2.00
11141-16-5	Aroclor 1232	ND DL=< 1.00
53469-21-9	Aroclor 1242	ND DL=< 1.00
12672-29-6	Aroclor 1248	ND DL=< 1.00
11097-69-1	Aroclor 1254	ND DL=< 1.00
11096-82-5	Aroclor 1260	ND DL=< 1.00

ND DL = NOT DETECTED , DETECTION LIMIT

US EPA HOUSTON BRANCH

SAMPLE #:	6TFADW09-17	DATE RECEIVED:	28-Mar-96
SOURCE:	OLD BRAZOS FORGE		
TYPE:	AQUEOUS	DATE REPORTED:	26-Apr-96
ANALYSTS:	RC, LC, BS, TNRCC		

PARAMETER	CONCENTRATION	DETECTION LIMIT <=	UNITS
ALUMINUM	ND	100	UG/L
ANTIMONY	ND	60	UG/L
ARSENIC	ND	3	UG/L
BARIUM	232	10	UG/L
BERYLLIUM	ND	5	UG/L
CADMIUM	ND	5	UG/L
CALCIUM	97000	150	UG/L
CHROMIUM	ND	10	UG/L
COBALT	ND	20	UG/L
COPPER	ND	20	UG/L
IRON	1510	25	UG/L
LEAD	ND	3	UG/L
MAGNESIUM	4160	150	UG/L
MANGANESE	19	5	UG/L
MERCURY	ND	0.2	UG/L
NICKEL	ND	20	UG/L
POTASSIUM	2380	1000	UG/L
SELENIUM	ND	3	UG/L
SILVER	ND	10	UG/L
SODIUM	31000	500	UG/L
THALLIUM	ND	5	UG/L
VANADIUM	ND	30	UG/L
ZINC	212	20	UG/L
CYANIDE	ND	0.02	MG/L

ND: LESS THAN DETECTION LIMIT

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0918

Source: OLD BRAZOS FORGE

Site Description: STA. FB03

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/27/96 11:37

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

 Attachment: 18

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-18 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND --- Means not detected above the listed detection limits.

April 26, 1996

U.S. Environmental Protection Agency

Houston Branch Management System

Report for Sample Number 6TFADW0919

Source: OLD BRAZOS FORGE

Site Description: STA. FB04

Date/Time Received: 3/29/96 10:10

Date/Time Collected: 3/28/96 11:17

Sample Type: DW

Date Completed: 4/26/96

Comments:

Parameter	Description	Section	Status	Report Date
VOA	VOLATILE ORGANIC ANALYSIS	ORGANIC	COMPLETE	4/26/96

 Attachment : 19

ORGANIC ANALYSIS DATA

6MD-HO Sample Number: 6TFADW09-19 Date Reported: 16-Apr-96

Analyst:Kenneth W. Stevens Sample Type: DW

VOLATILE COMPOUNDS BY METHOD 624

units - microgram/liter - µg/l

Compound Name	Results*	Detection Limits
acetone	ND	5
acrolein	ND	100
acrylonitrile	ND	100
benzene	ND	2
bromodichloromethane	ND	2
bromoform	ND	2
2-butanone	ND	5
bromomethane	ND	5
carbon disulfide	ND	5
carbon tetrachloride	ND	2
chlorobenzene	ND	5
chloroethane	ND	5
chloroform	ND	2
chloromethane	ND	5
dibromochloromethane	ND	2
1,1-dichloroethane	ND	2
1,1-dichloroethene	ND	2
1,2-dichloroethane	ND	2
1,2-dichloroethene (total)	ND	2
1,2-dichloropropane	ND	2
cis-1,3-dichloropropane	ND	2
trans-1,3-dichloropropane	ND	2
ethylbenzene	ND	5
2-hexanone	ND	5
methylene chloride	ND	5
4-methyl-2-pentanone	ND	5
styrene	ND	5
1,1,2,2-tetrachloroethane	ND	2
tetrachloroethene	ND	2
toluene	ND	5
1,1,1-trichloroethane	ND	2
1,1,2-trichloroethane	ND	2
trichloroethene	ND	2
vinyl chloride	ND	5
ortho-xylene	ND	5
para- and/or *meta*-xylene	ND	5

* ND — Means not detected above the listed detection limits.