# Reference 26

9532587

Site Name: NORCO

Site Location: intersection of 3225 & Bishop Rd.

County: San Patricio  Basin: San Antonio - Nueces Coastal

Method of Collection: ~~ship with jar~~ & valve

Point of Collection: circle unit 2; sample # NORCO-1

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill; ☐ Waste pile; ☐ Landfarm; ☒ Other Refinery

Time Collected: 10:00 (am) pm  Date Shipped:

Add. COC #s: N/A

ODOR: ☐ Yes; ☐ No; Describe:

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | I.D. (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | I.D. (29) |
|---|---|---|---|---|---|---|---|
| 3123 | N/A | 001 | B | 03 | 07 | 96 | L |

Susan Clewis
(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value 71 |
|---|---|---|---|---|---|
| | | | | | |

RECEIVED
APR - 8 1996
FIELD OPERATIONS
REGION 14

TEXAS WATER COMMISSION  TWC-0859 (Rev.05-23-86)

NO. SW 189733

Region ~~District~~ 14  Org. No. 4314  Work No. REGION 14  Lab: CORE

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: Sample # NORCO-1

(continued on back)

| Lab Only | Date | rec'd: | (Lab No) |
|---|---|---|---|
| | | cmplt: | |
| | | Analyst sign.: | |

Preservation: ☐ None; ☒ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other:

Auxiliary Tags: N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value 71 |
|---|---|---|---|---|---|
| pH | | volatiles | | Cadmium - Total | |
| 00403 | | | | | |
| ~~COD~~ | | semi-volatiles | | Chromium - Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCBs | | Lead - Total | |
| 00680 | | | | | |
| ~~COMS~~ | | TOX | | Mercury - Total | |
| | | | | | |
| | | Arsenic - Total | | | |

26 001

Site Name: NORCO

Site Location: intersection of 2725 + Bishop Rd.

County: San Patricio  Basin: San Antonio Nueces Coastal

Method of Collection: dip w/ jar

Point of Collection: tank 27; sample # NORCO-2

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected: 11:00 (am) pm  Date Shipped

Add. COC #: N/A

ODOR: ☐ Yes; ☐ No; Describe

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | (29) |
|---|---|---|---|---|---|---|---|
| 3 1 2 8 3 | N/A | 0 0 1 | B | 0 3 | 0 7 | 9 6 | L |

(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION  TWC-0849 (Rev.05-23-86)

NO. SW 189734

Region ~~District~~ 14  Org. No. 4214  Work No. 92590  Lab CORE

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: sample # NORCO-2; analyze oil and water phases separately

(continued on back)

| Lab Only | Date | rec'd: | (Lab No) |
|---|---|---|---|
| | | cmplt: | |
| | | Analyst sign.: | |

Preservation: ☐ None; ☒ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other: N/A

Auxiliary Tags: N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| pH | | volatile | | Cadmium - total | |
| 0 0 4 0 3 | | | | | |
| ~~COD~~ | | semi-volatiles | | Chromium - total | |
| 0 0 3 4 0 | | | | | |
| ~~TOC~~ | | PCBs | | Lead - total | |
| 0 0 6 8 0 | | | | | |
| ~~GC/MS~~ | | TOX | | Mercury - total | |
| | | | | | |
| | | Arsenic - Total | | | |
| | | | | | |

26 002

Site Name: NORCO

Site Location: intersection of 3225 + Bishop Rd.

County: San Patricio  Basin: San Antonio Nueces Coastal

Method of Collection: dip w/ jar

Point of Collection: tank 21 ; sample # NORCO - 3

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected: 2:10 (am/pm)  Date Shipped

Add. COC #s: N/A

ODOR; ☐ Yes; ☐ No; Describe

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | (29) |
|---|---|---|---|---|---|---|---|
| 3128S | N/A | C01 | B | 03 | 07 | 96 | L |

(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION  TWC-0849 (Rev.05-23-86)

NO. SW 189735

Region 14  Org. No. 4214  Work No. 92890  Lab CCRE

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: Sample # NORCO - 3

(continued on back)

| Lab Only | Date | |
|---|---|---|
| | rec'd: | |
| | cmplt: | (Lab No) |
| | Analyst sign.: | |

Preservation: ☐ None; ☒ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other: N/A

Auxiliary Tags: N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| pH | | volatiles | | Cadmium - total | |
| 00403 | | | | | |
| ~~COD~~ | | semi-volatiles | | Chromium - total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCBs | | Lead - total | |
| 00680 | | | | | |
| ~~GR/MS~~ | | TOX | | Mercury - total | |
| | | | | | |
| | | Arsenic - total | | | |
| | | | | | |

26 003

Site Name: Norco

Site Location: Intersection of 2725 & Bishop Rd.

County: San Patricio  Basin: San Antonio Nueces Coastal.

Method of Collection: Dip with jar

Point of Collection: Tank 22, Sample # Norco-4

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill; ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected: 2:25 (am, pm)  Date Shipped: 3/8/94

Add. COC #: N/A

ODOR: ☐ Yes; ☐ No; Describe

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | I/J (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | I/J (29) |
|---|---|---|---|---|---|---|---|
| 3128 | DOWE | 001 | B | 03 | 07 | 94 | L |

Susan Clemi
(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION  TWC-0849 (Rev.05-23-86)

NO. SW 189736

Region District: 14  Org. No.: 4214  Work No.: 92890  Lab: Core

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: Sample # Norco-4

(continued on back)

| Lab Only | Date | rec'd: | (Lab No) |
|---|---|---|---|
| | | cmplt: | |
| | | Analyst sign.: | |

Preservation: ☐ None; ☒ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other

Auxiliary Tags: N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| pH | | volatiles | | Cadmium-Total | |
| 00403 | | | | | |
| [redacted] | | Semi-volatiles | | Chromium-Total | |
| 00340 | | | | | |
| [redacted] | | PCB's | | Lead-Total. | |
| 00680 | | | | | |
| [redacted] | | TOX | | Mercury-Total. | |
| | | | | | |
| | | Arsenic-Total | | | |
| | | | | | |

26 004

Site Name: Norco

Site Location: Intersection of 2725 & Bishop Rd.

Point of Collection: Tank 18,

Sample # Norco-5

County: San Patricio  Basin: San Antonio Nueces Coastal

Method of Collection: Dip with jar

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected: 2:40 (am/pm)  Date Shipped: 3/8/96

Add. COC #s: N/A

ODOR: ☐ Yes; ☐ No; Describe

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | (29) |
|---|---|---|---|---|---|---|---|
| 3128 | NONE | 001 | B | 03 | 07 | 96 | L |

Susan Clem

(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value 71 |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION  TWC-0849 (Rev.05-23-86)

NO. SW 189737

Region 14 District  Org. No. 4214  Work No. 92890  Lab Core

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: Sample # Norco-5

(continued on back)

| Lab Only | Date | rec'd: | (Lab No) |
|---|---|---|---|
| | | cmplt: | |
| | | Analyst sign.: | |

Preservation: ☐ None; ☒ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other

Auxiliary Tags: N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value 71 |
|---|---|---|---|---|---|
| pH | | Volatiles | | Cadmium - Total | |
| 00403 | | | | | |
| [redacted] | | Semi-volatiles | | Chromium - Total | |
| 00340 | | | | | |
| [redacted] | | PCB's | | Lead - Total | |
| 00680 | | | | | |
| [redacted] | | TOX | | Mercury - Total | |
| | | | | | |
| | | Arsenic - total | | | |

26 005

Site Name Norco

Site Location Intersection of 2725 + Bishop Rd.

County San Patricio Basin San Antonio Nueces Coastal

Method of Collection Dip with jar

Point of Collection Tank 23

Sample # Norco-6

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected 2:50 (am) (pm) Date Shipped 3/8/96

Add. COC #s N/A

ODOR; ☐ Yes; ☐ No; Describe

| S.W. Registration | Permit Number | Page No. | Date Mo. | Date Day | Date Yr. |
|---|---|---|---|---|---|
| 1 9 | 10 18 | 19 21 | 23 24 | 25 26 | 27 28 |
| 3128 | NONE | 001 | 03 | 07 | 96 |

Collector's Signature

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value 71 |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION TWC-0849 (Rev.05-23-86)

NO. SW 189738

Region ~~District~~ 14 Org. No. 4214 Work No. 92890 Lab Core

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments Sample # Norco-6

(continued on back)

| Lab Only | Date | rec'd: | [Lab No] |
|---|---|---|---|
| | | cmplt: | |
| | | Analyst sign.: | |

Preservation: ☐ None; ☐ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other

Auxiliary Tags

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value 71 |
|---|---|---|---|---|---|
| pH | | Volatiles | | Cadmium-Total | |
| 00403 | | | | | |
| ~~BOD~~ | | Semi-Volatiles | | Chromium-Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCB's | | Lead-Total | |
| 00680 | | | | | |
| ~~RCRA~~ | | TOX | | Mercury-Total | |
| | | | | | |
| | | Arsenic-Total | | | |
| | | | | | |

26 006

Site Name: Norco

Site Location: Intersection of 2725 & Bishop Rd.

County: San Patricio  Basin: San Antonio Nueces Coastal

Method of Collection: Dip with jar

Point of Collection: Tank 24

Sample # Norco-8

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill; ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected: 2:55 (am, pm)  Date Shipped: 3/8/96

Add. COC #: N/A

ODOR: ☐ Yes; ☐ No; Describe

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | Sp. (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | Ir. (29) |
|---|---|---|---|---|---|---|---|
| 3128 | NONE | 001 | S | 03 | 07 | 96 | L |

(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION  TWC-0849 (Rev.05-23-86)

NO. SW 189739

~~District~~ Region 14  Org. No. 4214  Work No. 92890  Lab: Cole

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: Sample # Norco-8

(continued on back)

| Lab Only | Date | rec'd: | (Lab No) |
|---|---|---|---|
| | | cmplt: | |
| | | Analyst sign.: | |

Preservation: ☐ None; ☐ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other

Auxiliary Tags

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| pH | | Volatiles | | Cadmium - Total | |
| 00403 | | | | | |
| ~~BOD~~ | | Semi-volatiles | | Chromium - Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCB's | | Lead - Total | |
| 00680 | | | | | |
| ~~COND~~ | | TOX | | Mercury - Total | |
| | | | | | |
| | | Arsenic - Total | | | |

26 007

Site Name: Norco

Site Location: Intersection of 2725 & Bishop Rd.

County: San Patricio  Basin: San Antonio-Nueces Coastal

Method of Collection: Dip w/ jar

Point of Collection: Tank 26

Sample # Norco-9

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected: 3:25 (am) (pm)  Date Shipped: 3/8/92

Add. COC #s: N/A

ODOR: ☒ Yes; ☐ No; Describe: Hydrocarbon

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | (29) |
|---|---|---|---|---|---|---|---|
| 3128 | MONZ | 001 | B | 03 | 07 | 96 | L |

(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION  TWC-0849 (Rev.05-23-86)

NO. SW 189740

District: Region 14  Org. No.: 4214  Work No.: 92890  Lab: Corr

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: Sample # Norco-9

(continued on back)

| Lab Only | Date | rec'd: | (Lab No) |
|---|---|---|---|
| | | cmplt: | |
| | | Analyst sign.: | |

Preservation: ☐ None; ☐ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other

Auxiliary Tags

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| pH | | Volatiles | | Cadmium-Total | |
| 00403 | | | | | |
| ~~COD~~ | | Semi-volatiles | | Chromium-Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCB's | | Lead-Total | |
| 00680 | | | | | |
| ~~TOX~~ | | TOX | | Mercury-Total | |
| | | | | | |
| | | Arsenic-Total | | | |

26 008

TEXAS WATER COMMISSION

NO. SW 189741

Site Name NORCO

Site Location intersection of 2725 + Bishop Rd.

County San Patricio Basin San Antonio Nueces Coastal

Method of Collection ~~dip w/ jar~~ valve

Point of Collection crude to heater or resid valve (crude unit 2); sample # NORCO-10

Type facility: ☐ Drum; ☐ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☒ Other refinery

Time Collected 3:50 (am/pm) Date Shipped

Add. COC #s N/A

ODOR: ☒ Yes; ☐ No; Describe hydrocarbon

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | 1/3 (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | 1/1 (29) |
|---|---|---|---|---|---|---|---|
| 3 1 2 3 8 | N/A | 0 0 | B | 0 3 | 0 7 | 9 6 | L |

Susan Clemmer
(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION TWC-0849 (Rev.05-23-86)

NO. SW 189741

~~District~~ Region 14 Org. No. 4314 Work No. 92810 Lab CORE

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments sample # NORCO-10

(continued on back)

| Lab Only | Date | |
|---|---|---|
| | rec'd: | (Lab No) |
| | cmplt: | |
| | Analyst sign.: | |

Preservation: ☐ None; ☒ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other N/A

Auxiliary Tags N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| pH | | volatiles | | Cadmium-total | |
| 0 0 4 0 3 | | | | | |
| ~~COD~~ | | semi-volatiles | | Chromium-total | |
| 0 0 3 4 0 | | | | | |
| ~~TOC~~ | | PCBs | | Lead-total | |
| 0 0 6 8 0 | | | | | |
| ~~GC/MS~~ | | TOX | | Mercury-total | |
| | | | | | |
| | | Arsenic-total | | | |

26 009

Site Name: Norco

Site Location: Intersection of 2725 & Bishop Rd.

County: San Patricio  Basin: San Antonio-Nueces Coastal

Method of Collection: valve

Point of Collection: Middle Tray of Column crude unit 2; Sample # Norco-11

Type facility: ☐ Drum; ☐ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☒ Other Refinery

Time Collected: 3:55 (am/pm)  Date Shipped: 3/8/92

Add. COC #s:

ODOR: ☒ Yes; ☐ No; Describe: Hydrocarbon

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | 22 | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | 29 |
|---|---|---|---|---|---|---|---|
| 31288 | NONE | 001 | B | 03 | 07 | 96 | L |

Susan Olsen
(Collector's Signature)

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| | | | | | |

TEXAS WATER COMMISSION  TWC-0849 (Rev.05-23-86)

NO. SW 189742

District: Region 14  Org. No.: 4214  Work No.: 92890  Lab: Corc

Material Sampled: ☐ Solid waste (W); ☒ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments: Sample # Norco-11

(continued on back)

| Lab Only | Date | |
|---|---|---|
| | rec'd: | (Lab No) |
| | cmplt: | |
| | Analyst sign.: | |

Preservation: ☐ None; ☒ Ice; ☐ $H_2SO_4$; ☐ $HNO_3$

Other:

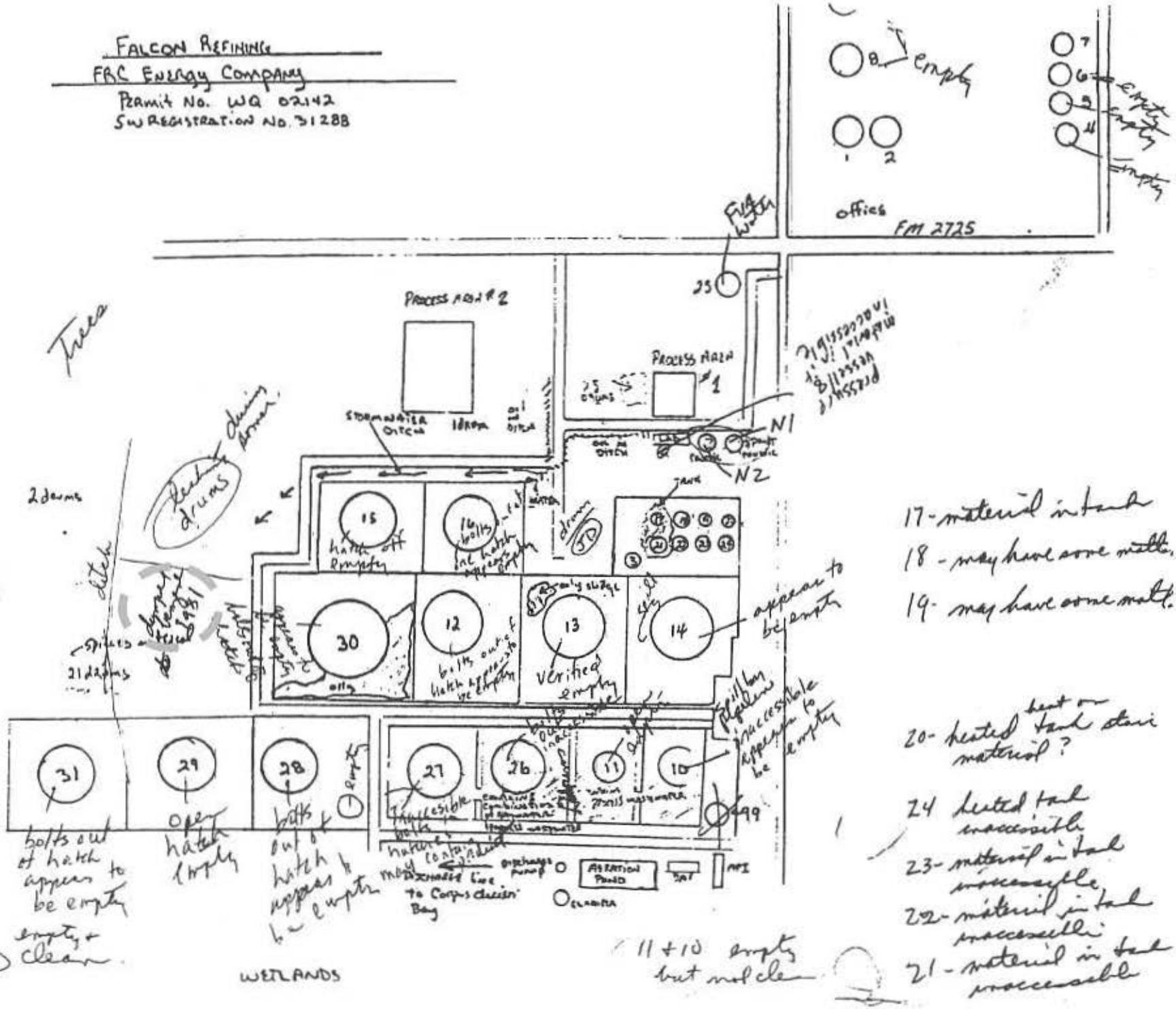
Auxiliary Tags: N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

| 30 Code | 35 Parameter Value | 44 Code | 49 Parameter Value | 58 Code | 63 Parameter Value (71) |
|---|---|---|---|---|---|
| pH | | Volatiles | | Cadmium-Total | |
| 00403 | | | | | |
| ~~[illegible]~~ | | Semi-Volatiles | | Chromium-Total | |
| 00340 | | | | | |
| ~~[illegible]~~ | | PCB's | | Lead-Total | |
| 00680 | | | | | |
| ~~[illegible]~~ | | TOX | | Mercury-Total | |
| | | | | | |
| | | Arsenic-Total | | | |

26 010

FALCON REFINING
FBC ENERGY COMPANY
PERMIT NO. WQ 02142
SW REGISTRATION NO. 31288



CORELAB

ENVIRONMENTAL TESTING SERVICES

March 28, 1996

Mr. Ernest Heyer
TNRCC
P.O. Box 13087 Capitol Station
Austin, TX 78711-3087

Re: Core Laboratories's Job Number 960701

Dear Mr. Heyer:

Enclosed is the final analytical report for Core Laboratories' job number 960701. Several analytical problems were encountered during the analysis of these samples. Samples identified as 960701-4,6 were quite briney. Although the samples were washed two times each with silver nitrate, total organic halogen values may be elevated due to elevated levels of NaCl. Samples identified as 960701-5,6 experienced the same type of problems, however there was insufficient sample to try various extraction methods. Therefore, TOX values are not available for these samples. Also, please note that some samples contained an oil and water mixture. When sample volume allowed, analysis was performed on the oil portion of the sample matrix.

Please call if you have any questions or if I can be of assistance.

Sincerely,

Judy Orr

Judy Orr
QA/QC Coordinator

Core Laboratories, Inc.
1733 North Padre Island Drive, Corpus Christi, Texas 78408, (512) 289-2673, Fax (512) 289-2471

CORELAB

ENVIRONMENTAL TESTING SERVICES

April 1, 1996

Mr. Ernest Heyer
TNRCC
P.O. Box 13087 Capitol Station
Austin, TX 78711-3087

Re: Core Laboratories's Job Number 960701

Dear Mr. Heyer:

Enclosed is the revised analytical report for Core Laboratories' job number 960701. Due to a log-in error, pH was inadvertently omitted at the time of sample receipt.

We regret any inconvenience this error may have caused. Please call if you have any questions or if I can be of assistance.

Sincerely,

Judy Orr

Judy Orr
QA/QC Coordinator

Core Laboratories, Inc.
1733 North Padre Island Drive, Corpus Christi, Texas 78408, (512) 289-2673, Fax (512) 289-2471

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L  R E P O R T

Job Number: 960701
Prepared For:

TNRCC
ERNEST HEYER
P. O. BOX 13087 CAPITOL STATION
AUSTIN, TX 78711-3087

Date: 03/29/96

REVISED
REPORT

Signature

Date: 4/1/96

Name: Chip Meador

CORE LABORATORIES
1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408

Title: Regional Manager

CORE LAB

# CORE LABORATORIES

## LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189733
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 10:00
WORK DESCRIPTION...: 189733

LABORATORY I.D...: 960701-0001
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <1000 | 1000 | mg/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Benzene | 180 | 50 | mg/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | mg/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | mg/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | mg/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | mg/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | mg/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Ethylbenzene | 2200 | 50 | mg/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | mg/L | EPA SW-846 8260 | | |
| Styrene | 480 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Toluene | 460 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | mg/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Total Xylenes | 500 | 100 | mg/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

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CLIENT I.D.....: 189733
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 10:00
WORK DESCRIPTION...: 189733

LABORATORY I.D...: 960701-0001
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 110 | 50 | mg/L | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | mg/L | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 100 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 280 | 50 | mg/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | mg/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | mg/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 90 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 100 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 98 | 0 | % Recovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 03/13/96 | GEF |
| Acenaphthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Acenaphthylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzyl Alcohol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Chrysene | 1300 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



FC 016

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189733
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 10:00
WORK DESCRIPTION...: 189733

LABORATORY I.D...: 960701-0001
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Diethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dimethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluorene | 2200 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachloroethane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Isophorone | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | 1400 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 3-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitrophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Naphthalene | 3300 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Nitrobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pentachlorophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| Phenanthrene | 2600 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyrene | 1100 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Aniline | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| o-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| p,m-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Naphthylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phthalic anhydride | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyridine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 86 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 78 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 75 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 92 | 0 | % Recovery | 30-115% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
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CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189733
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 10:00
WORK DESCRIPTION...: 189733

LABORATORY I.D...: 960701-0001
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 72 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 85 | 0 | % Recovery | 18-137% QC LIMITS | | |
| Extraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 03/11/96 | DGP |
| Extraction-Semivolatiles/Organic | Completed | | | EPA SW-846 3580 | 03/11/96 | DGP |
| Arsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Cadmium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Chromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Lead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Total Organic Halogens | <150 | 150 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| Polychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 03/11/96 | JEM |
| Aroclor-1016 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1221 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1232 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1242 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1248 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1254 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1260 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1268 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| H, solid/waste | 3.9 | 0.1 | pH units | EPA SW-846 9045C | 03/29/96 | DEH |
| Mercury (Hg), total | 0.13 | 0.09 | mg/kg | EPA SW-846 7471 | 03/12/96 | EBS |
| Metals Digest | Completed | | | EPA SW-846 3051 | 03/11/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
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CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189734
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 11:00
WORK DESCRIPTION...: 189734

LABORATORY I.D...: 960701-0002
DATE RECEIVED....: 03/08/96
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REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <1000 | 1000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Benzene | 3700 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | 2300 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Toluene | 15000 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | 11000 | 100 | ug/L | EPA SW-846 8260 | | |

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CORE LABORATORIES

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| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 39000 | 50 | ug/L | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 5100 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 5300 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 100 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 98 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 94 | 0 | % Revovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 03/13/96 | GEF |
| Acenaphthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Acenaphthylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzyl Alcohol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Chrysene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



26 020

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189734
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 11:00
WORK DESCRIPTION...: 189734

LABORATORY I.D...: 960701-0002
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Diethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dimethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluorene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachloroethane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Isophorone | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 3-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitrophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Naphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Nitrobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pentachlorophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| Phenanthrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Aniline | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| o-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| p,m-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Naphthylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phthalic anhydride | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyridine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 101 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 88 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 91 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 121 | 0 | % Recovery | 30-115% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

26 021

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 189734
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 11:00
WORK DESCRIPTION...: 189734

LABORATORY I.D...: 960701-0002
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 49 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 100 | 0 | % Recovery | 18-137% QC LIMITS | | |
| Extraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 03/11/96 | DGP |
| Extraction-Semivolatiles/Organic | Completed | | | EPA SW-846 3580 | 03/11/96 | DGP |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| adnium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | 6 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| otal Organic Halogens | 420 | 150 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| olychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 03/11/96 | JEM |
| Aroclor-1016 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1221 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1232 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1242 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1248 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1254 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1260 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1268 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| , solid/waste | 6.8 | 0.1 | pH units | EPA SW-846 9040B | 03/29/96 | DEH |
| ercury (Hg), total | 0.22 | 0.09 | mg/kg | EPA SW-846 7471 | 03/12/96 | EBS |
| als Digest | Completed | | | EPA SW-846 3051 | 03/11/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189735
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:10
WORK DESCRIPTION...: 189735

LABORATORY I.D...: 960701-0003
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <1000 | 1000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Toluene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | <100 | 100 | ug/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



26 023

CORELAB

# CORE LABORATORIES

## LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189735
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:10
WORK DESCRIPTION...: 189735

LABORATORY I.D...: 960701-0003
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 180 | 50 | ug/L | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 101 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 98 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 94 | 0 | % Revovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 03/13/96 | GEF |
| Acenaphthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Acenaphthylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzyl Alcohol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Chrysene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



26 024

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189735
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:10
WORK DESCRIPTION...: 189735

LABORATORY I.D...: 960701-0003
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Diethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dimethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluorene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachloroethane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Isophorone | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 3-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitrophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Naphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Nitrobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pentachlorophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| Phenanthrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Aniline | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| o-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| p,m-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Naphthylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phthalic anhydride | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyridine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 101 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 89 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 88 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 115 | 0 | % Recovery | 30-115% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 189735
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:10
WORK DESCRIPTION...: 189735

LABORATORY I.D...: 960701-0003
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 60 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 106 | 0 | % Recovery | 18-137% QC LIMITS | | |
| Extraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 03/11/96 | DGP |
| Extraction-Semivolatiles/Organic- | Completed | | | EPA SW-846 3580 | 03/11/96 | DGP |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| adnium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| otal Organic Halogens | <150 | 150 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| olychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 03/11/96 | JEM |
| Aroclor-1016 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1221 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1232 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1242 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1248 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1254 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1260 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1268 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| , solid/waste | 6.7 | 0.1 | pH units | EPA SW-846 9040B | 03/29/96 | DEH |
| rcury (Hg), total | <0.09 | 0.09 | mg/kg | EPA SW-846 7471 | 03/12/96 | EBS |
| tals Digest | Completed | | | EPA SW-846 3051 | 03/11/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189736
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:25
WORK DESCRIPTION...: 189736

LABORATORY I.D...: 960701-0004
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | OP |
| Acetone | <1000 | 1000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Toluene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | <100 | 100 | ug/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189736
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:25
WORK DESCRIPTION...: 189736

LABORATORY I.D...: 960701-0004
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 53 | 50 | ug/L | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 95 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 102 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 98 | 0 | % Revovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *10 | | EPA SW-846 8270B | 03/16/96 | GEF |
| Acenaphthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Acenaphthylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzyl Alcohol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chloroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Chlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Chrysene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189736
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:25
WORK DESCRIPTION...: 189736

LABORATORY I.D...: 960701-0004
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Diethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Dimethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluorene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachloroethane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Isophorone | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 3-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Nitroaniline | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Nitrophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Nitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Naphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Nitrobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pentachlorophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| Phenanthrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Aniline | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| o-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| p,m-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Naphthylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phthalic anhydride | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyridine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 45 | 0 | % Recovery | 21-100% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 75 | 0 | % Recovery | 10-94% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 70 | 0 | % Recovery | 35-114% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 55 | 0 | % Recovery | 43-116% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189736
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:25
WORK DESCRIPTION...: 189736

LABORATORY I.D...: 960701-0004
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 45 | 0 | % Revovery | 10-123% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 69 | 0 | % Recovery | 33-141% QC LIMITS | | |
| Extraction - PCB in water | Completed | | | EPA SW-846 3520 | 03/11/96 | DGP |
| Extraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3520 | 03/13/96 | WEB |
| Arsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Cadmium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Chromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Lead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| Polychlorinated Biphenyls in Water | | *1 | | EPA SW-846 8080 | 03/13/96 | JEM |
| Aroclor-1016 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1221 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1232 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1242 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1248 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1254 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1260 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1268 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| H, solid/waste | 8.5 | 0.1 | pH units | EPA SW-846 9040B | 03/29/96 | DEH |
| otal Organic Halogen (TOX) | 4.0 | 1.5 | mg/L | EPA SW-846 9020 | 03/19/96 | EBS |
| ercury (Hg), total | <0.002 | 0.002 | mg/L | EPA SW-846 7470 | 03/15/96 | EBS |
| etals Digest | Completed | | | EPA SW-846 3051 | 03/11/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189737
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 189737

LABORATORY I.D...: 960701-0005
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <1000 | 1000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Toluene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | <100 | 100 | ug/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 189737
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 189737

LABORATORY I.D...: 960701-0005
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 180 | 50 | ug/L | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 98 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 101 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 98 | 0 | % Revovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *10 | | EPA SW-846 8270B | 03/16/96 | GEF |
| Acenaphthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Acenaphthylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzyl Alcohol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chloroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Chlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Chrysene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



26 032

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189737
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 189737

LABORATORY I.D...: 960701-0005
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECH |
|---|---|---|---|---|---|---|
| Dibenzofuran | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Diethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Dimethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluorene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachloroethane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Isophorone | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 3-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Nitroaniline | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Nitrophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Nitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Naphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Nitrobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pentachlorophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| Phenanthrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyrene | 150 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Aniline | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| o-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| p,m-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Naphthylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phthalic anhydride | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyridine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 61 | 0 | % Recovery | 21-100% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 104 | 0 | % Recovery | 10-94% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 98 | 0 | % Recovery | 35-114% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 88 | 0 | % Recovery | 43-116% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



26 033

CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HETER

CLIENT I.D.....: 189737
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 189737

LABORATORY I.D...: 960701-0005
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 68 | 0 | % Revovery | 10-123% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 89 | 0 | % Recovery | 33-141% QC LIMITS | | |
| xtraction - PCB in water | Completed | | | EPA SW-846 3520 | 03/11/96 | DGP |
| xtraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3520 | 03/13/96 | WEB |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| admium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| otal Organic Halogens | See Attach | 15 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| olychlorinated Biphenyls in Water | | *1 | | EPA SW-846 8080 | 03/13/96 | JEM |
| Aroclor-1016 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1221 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1232 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1242 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1248 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1254 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1260 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1268 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| , solid/waste | 8.5 | 0.1 | pH units | EPA SW-846 9040B | 03/29/96 | DEH |
| rcury (Hg), total | <0.002 | 0.002 | mg/L | EPA SW-846 7470 | 03/15/96 | EBS |
| tals Digest | Completed | | | EPA SW-846 3051 | 03/11/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 189738
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:50
WORK DESCRIPTION...: 189738

LABORATORY I.D...: 960701-0006
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <1000 | 1000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Toluene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | <100 | 100 | ug/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189738
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:50
WORK DESCRIPTION...: 189738

LABORATORY I.D...: 960701-0006
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 14000 | 50 | ug/L | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 100 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 88 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 100 | 0 | % Revovery | 86-115% QC LIMITS | | |
| GC/MS Semivolatile Organics | | *10 | | EPA SW-846 8270B | 03/16/96 | GEF |
| Acenaphthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Acenaphthylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzyl Alcohol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chloroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Chlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Chrysene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



26 036

CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 189738
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:50
WORK DESCRIPTION...: 189738

LABORATORY I.D...: 960701-0006
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Diethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Dimethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluorene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachloroethane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Isophorone | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 3-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Nitroaniline | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Nitrophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Nitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Naphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Nitrobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pentachlorophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| Phenanthrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Aniline | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| o-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| p,m-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Naphthylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phthalic anhydride | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyridine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 69 | 0 | % Recovery | 21-100% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 111 | 0 | % Recovery | 10-94% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 94 | 0 | % Recovery | 35-114% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 66 | 0 | % Recovery | 43-116% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189738
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:50
WORK DESCRIPTION...: 189738

LABORATORY I.D...: 960701-0006
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 62 | 0 | % Revovery | 10-123% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 88 | 0 | % Recovery | 33-141% QC LIMITS | | |
| Extraction - PCB in water | Completed | | | EPA SW-846 3520 | 03/11/96 | DGP |
| Extraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3520 | 03/13/96 | WEB |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| admium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| otal Organic Halogens | See Attach | 15 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| olychlorinated Biphenyls in Water | | *1 | | EPA SW-846 8080 | 03/13/96 | JEH |
| Aroclor-1016 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1221 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1232 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1242 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1248 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1254 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1260 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1268 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| , solid/waste | 7.8 | 0.1 | pH units | EPA SW-846 9040B | 03/29/96 | DEH |
| rcury (Hg), total | <0.002 | 0.002 | mg/L | EPA SW-846 7470 | 03/15/96 | EBS |
| tals Digest | Completed | | | EPA SW-846 3051 | 03/11/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189739
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:55
WORK DESCRIPTION...: 189739

LABORATORY I.D...: 960701-0007
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <1000 | 1000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Toluene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | <100 | 100 | ug/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189739
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:55
WORK DESCRIPTION...: 189739

LABORATORY I.D...: 960701-0007
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 550 | 50 | ug/L | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | ug/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 97 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 97 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 95 | 0 | % Revovery | 86-115% QC LIMITS | | |
| GC/MS Semivolatile Organics | | *10 | | EPA SW-846 8270B | 03/16/96 | GEF |
| Acenaphthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Acenaphthylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Benzyl Alcohol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chloroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Chlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Chrysene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <100 | 100 | ug/L | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189739
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:55
WORK DESCRIPTION...: 189739

LABORATORY I.D...: 960701-0007
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Diethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| Dimethyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluorene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Fluoranthene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Hexachloroethane | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Isophorone | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 3-Nitroaniline | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| 4-Nitroaniline | <200 | 200 | ug/L | EPA SW-846 8270B | | |
| 2-Nitrophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 4-Nitrophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Naphthalene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Nitrobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pentachlorophenol | <500 | 500 | ug/L | EPA SW-846 8270B | | |
| Phenanthrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyrene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Aniline | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| o-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| p,m-Cresol | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Naphthylamine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Phthalic anhydride | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| Pyridine | <100 | 100 | ug/L | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 47 | 0 | % Recovery | 21-100% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 93 | 0 | % Recovery | 10-94% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 92 | 0 | % Recovery | 35-114% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 80 | 0 | % Recovery | 43-116% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 189739
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 14:55
WORK DESCRIPTION...: 189739

LABORATORY I.D...: 960701-0007
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 52 | 0 | % Revovery | 10-123% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 82 | 0 | % Recovery | 33-141% QC LIMITS | | |
| xtraction - PCB in water | Completed | | | EPA SW-846 3520 | 03/11/96 | DGP |
| xtraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3520 | 03/13/96 | WEB |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| admium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| olychlorinated Biphenyls in Water | | *1 | | EPA SW-846 8080 | 03/13/96 | JEH |
| Aroclor-1016 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1221 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1232 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1242 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1248 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1254 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1260 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| Aroclor-1268 | <0.65 | 0.65 | ug/L | EPA SW-846 8080 | | |
| , solid/waste | 8.4 | 0.1 | pH units | EPA SW-846 9040B | 03/29/96 | DEH |
| tal Organic Halogen (TOX) | 4.7 | 1.5 | mg/L | EPA SW-846 9020 | 03/19/96 | EBS |
| rcury (Hg), total | <0.002 | 0.002 | mg/L | EPA SW-846 7470 | 03/15/96 | EBS |
| tals Digest | Completed | | | EPA SW-846 3051 | 03/11/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189740
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:25
WORK DESCRIPTION...: 189740

LABORATORY I.D...: 960701-0008
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *1250 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <125000 | 125000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <62500 | 62500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <62500 | 62500 | ug/L | EPA SW-846 8260 | | |
| Benzene | 7300 | 6250 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <12500 | 12500 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <62500 | 62500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <12500 | 12500 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <12500 | 12500 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <12500 | 12500 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <12500 | 12500 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | 38000 | 6250 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <62500 | 62500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | 53000 | 12500 | ug/L | EPA SW-846 8260 | | |
| Styrene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Toluene | 100000 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <12500 | 12500 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | 150000 | 12500 | ug/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189740
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:25
WORK DESCRIPTION...: 189740

LABORATORY I.D...: 960701-0008
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Acetonitrile | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <625000 | 625000 | ug/L | EPA SW-846 8260 | | |
| Ethyl acetate | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Ethyl ether | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <62500 | 62500 | ug/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 150000 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 160000 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <6250 | 6250 | ug/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <625000 | 625000 | ug/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 91 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 102 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 101 | 0 | % Revovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 03/13/96 | GEF |
| Acenaphthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Acenaphthylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzyl Alcohol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Chrysene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

26 044

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189740
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:25
WORK DESCRIPTION...: 189740

LABORATORY I.D...: 960701-0008
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Diethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dimethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluorene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachloroethane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Isophorone | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | 1300 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 3-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitrophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Naphthalene | 2600 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Nitrobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pentachlorophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| Phenanthrene | 1900 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Aniline | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| o-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| p,m-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Naphthylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phthalic anhydride | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyridine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 87 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 84 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 87 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 108 | 0 | % Recovery | 30-115% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



.26 045

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189740
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:25
WORK DESCRIPTION...: 189740

LABORATORY I.D...: 960701-0008
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 64 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 93 | 0 | % Recovery | 18-137% QC LIMITS | | |
| xtraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 03/11/96 | DGP |
| xtraction-Semivolatiles/Organic | Completed | | | EPA SW-846 3580 | 03/11/96 | DGP |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| admium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | 10 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | 47000 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| otal Organic Halogens | 710 | 150 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| olychlorinated Biphenyls in Oils | | *2 | | EPA SW-846 8080 | 03/13/96 | JEM |
| Aroclor-1016 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1221 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1232 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1242 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1248 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1254 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1260 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1268 | <2 | 2 | mg/kg | EPA SW-846 8080 | | |
| , solid/waste | 6.3 | 0.1 | pH units | EPA SW-846 9045C | 03/29/96 | DEH |
| ercury (Hg), total | 0.42 | 0.09 | mg/kg | EPA SW-846 7471 | 03/15/96 | EBS |
| etals Digest | Completed | | | EPA SW-846 3050A | 03/12/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189741
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:50
WORK DESCRIPTION...: 189741

LABORATORY I.D...: 960701-0009
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECH |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *50 | | EPA SW-846 8260 | 03/15/96 | OP |
| Acetone | <5000 | 5000 | mg/L | EPA SW-846 8260 | | |
| Acrolein | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Acrylonitrile | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Benzene | 980 | 250 | mg/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Bromoform | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Bromomethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Carbon disulfide | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chlorobenzene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chloroethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Chloroform | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chloromethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Dibromomethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Ethylbenzene | 810 | 250 | mg/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Iodomethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methylene chloride | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Styrene | 760 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Toluene | 1100 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Trichloroethene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Vinyl acetate | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Vinyl chloride | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Total Xylenes | 940 | 500 | mg/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189741
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:50
WORK DESCRIPTION...: 189741

LABORATORY I.D...: 960701-0009
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 730 | 250 | mg/L | EPA SW-846 8260 | | |
| Acetonitrile | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <25000 | 25000 | mg/L | EPA SW-846 8260 | | |
| Ethyl acetate | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Ethyl ether | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 380 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 640 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <25000 | 25000 | mg/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 100 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 101 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 99 | 0 | % Recovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 03/13/96 | GEF |
| Acenaphthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Acenaphthylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzyl Alcohol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Chrysene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



26 048

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189741
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:50
WORK DESCRIPTION...: 189741

LABORATORY I.D...: 960701-0009
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Diethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dimethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluorene | 2600 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachloroethane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Isophorone | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | 3000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 3-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitrophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Naphthalene | 8100 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Nitrobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pentachlorophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| Phenanthrene | 2500 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Aniline | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| o-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| p,m-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Naphthylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phthalic anhydride | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyridine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 91 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 86 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 88 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 97 | 0 | % Recovery | 30-115% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189741
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:50
WORK DESCRIPTION...: 189741

LABORATORY I.D...: 960701-0009
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECH |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 73 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 89 | 0 | % Recovery | 18-137% QC LIMITS | | |
| xtraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 03/11/96 | DGP |
| xtraction-Semivolatiles/Organic | Completed | | | EPA SW-846 3580 | 03/11/96 | DGP |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| admium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| otal Organic Halogens | 160 | 150 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| olychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 03/11/96 | JEM |
| Aroclor-1016 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1221 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1232 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1242 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1248 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1254 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1260 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1268 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| solid/waste | 5.3 | 0.1 | pH units | EPA SW-846 9045C | 03/29/96 | DEH |
| cury (Hg), total | <0.09 | 0.09 | mg/kg | EPA SW-846 7471 | 03/15/96 | EBS |
| als Digest | Completed | | | EPA SW-846 3051 | 03/12/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189742
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:55
WORK DESCRIPTION...: 189742

LABORATORY I.D...: 960701-0010
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *50 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <5000 | 5000 | mg/L | EPA SW-846 8260 | | |
| Acrolein | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Acrylonitrile | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Benzene | 13000 | 250 | mg/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Bromoform | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Bromomethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Carbon disulfide | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chlorobenzene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chloroethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Chloroform | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Chloromethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Dibromomethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | 430 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Ethylbenzene | 42000 | 250 | mg/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Iodomethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methylene chloride | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Styrene | 41000 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Tetrachloroethene | 280 | 250 | mg/L | EPA SW-846 8260 | | |
| Toluene | 26000 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Trichloroethene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Vinyl acetate | <500 | 500 | mg/L | EPA SW-846 8260 | | |
| Vinyl chloride | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Total Xylenes | 29000 | 500 | mg/L | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: THRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189742
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:55
WORK DESCRIPTION...: 189742

LABORATORY I.D...: 960701-0010
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 8800 | 250 | mg/L | EPA SW-846 8260 | | |
| Acetonitrile | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,4-Dioxane | <25000 | 25000 | mg/L | EPA SW-846 8260 | | |
| Ethyl acetate | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Ethyl ether | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| Methyl methacrylate | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <2500 | 2500 | mg/L | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 4600 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 15000 | 250 | mg/L | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <250 | 250 | mg/L | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <25000 | 25000 | mg/L | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 100 | 0 | % Recovery | 86-118% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 100 | 0 | % Recovery | 88-110% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 105 | 0 | % Recovery | 86-115% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 03/13/96 | GEF |
| Acenaphthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Acenaphthylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(b)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(k)fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(ghi)perylene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzo(a)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Benzyl Alcohol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethoxy)methane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroethyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-chloroisopropyl)ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Bis(2-ethylhexyl) phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Bromophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Butyl benzyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chloro-3-methylphenol | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chloronaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Chlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Chlorophenyl phenyl ether | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Chrysene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,3-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,4-Dichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 3,3'-Dichlorobenzidine | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dibenzo(a,h)anthracene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 189742
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:55
WORK DESCRIPTION...: 189742

LABORATORY I.D...: 960701-0010
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| Dibenzofuran | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Diethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dimethylphenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Dimethyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4,6-Dinitro-2-methylphenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 2,4-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,6-Dinitrotoluene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-octyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluorene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Fluoranthene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorobutadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachlorocyclopentadiene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Hexachloroethane | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Ideno(1,2,3-cd)pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Isophorone | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Methylnaphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 3-Nitroaniline | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitroaniline | <2000 | 2000 | mg/kg | EPA SW-846 8270B | | |
| 2-Nitrophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 4-Nitrophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodi-n-propylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| N-Nitrosodiphenylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Naphthalene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Nitrobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pentachlorophenol | <5000 | 5000 | mg/kg | EPA SW-846 8270B | | |
| Phenanthrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyrene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 1,2,4-Trichlorobenzene | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,5-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2,4,6-Trichlorophenol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Di-n-butyl phthalate | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Aniline | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| o-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| p,m-Cresol | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Naphthylamine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Phthalic anhydride | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| Pyridine | <1000 | 1000 | mg/kg | EPA SW-846 8270B | | |
| 2-Fluorophenol (Surrogate) | 92 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 92 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 93 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 109 | 0 | % Recovery | 30-115% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189742
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 15:55
WORK DESCRIPTION...: 189742

LABORATORY I.D...: 960701-0010
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 71 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 93 | 0 | % Recovery | 18-137% QC LIMITS | | |
| Extraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 03/11/96 | DGP |
| Extraction-Semivolatiles/Organic | Completed | | | EPA SW-846 3580 | 03/11/96 | DGP |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| admium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| ead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 03/15/96 | GCC |
| otal Organic Halogens | 1000 | 150 | ppm | EPA SW-846 9076 | 03/25/96 | EBS |
| olychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 03/11/96 | JEM |
| Aroclor-1016 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1221 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1232 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1242 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1248 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1254 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1260 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1268 | <1 | 1 | mg/kg | EPA SW-846 8080 | | |
| , solid/waste | 5.3 | 0.1 | pH units | EPA SW-846 9045C | 03/29/96 | DEH |
| rcury (Hg), total | 0.52 | 0.09 | mg/kg | EPA SW-846 7471 | 03/15/96 | EBS |
| tals Digest | Completed | | | EPA SW-846 3051 | 03/12/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORELAB

# CORE LABORATORIES

## QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

| ANALYSIS | | | | DUPLICATES | | REFERENCE STANDARDS | | MATRIX SPIKES | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ANALYSIS TYPE | ANALYSIS SUB-TYPE | ANALYSIS I.D. | ANALYZED VALUE (A) | DUPLICATE VALUE (B) | RPD or (\|A-B\|) | TRUE VALUE | PERCENT RECOVERY | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY |
| PARAMETER:Mercury (Hg), total<br>REPORTING LIMIT/DF: UNITS:mg/kg | | | | DATE/TIME ANALYZED:03/12/96 10:00<br>METHOD REFERENCE :EPA SW-846 7471 | | | | QC BATCH NUMBER:102946<br>TECHNICIAN:EBS | | |
| BLANK | MB | DI H2O | <0.09 | | | | | | | |
| STANDARD | RS | 507.5.2 | 0.019 | | | 0.020 | 95 | | | |
| SPIKE | MS | 960701-3 | 0.83 | | | | | <0.09 | 0.89 | 93 |
| DUPLICATE | MD | 960701-3 | <0.09 | <0.09 | 0.00 | | | | | |
| PARAMETER:Mercury (Hg), total<br>REPORTING LIMIT/DF: UNITS:mg/kg | | | | DATE/TIME ANALYZED:03/15/96 08:00<br>METHOD REFERENCE :EPA SW-846 7471 | | | | QC BATCH NUMBER:103272<br>TECHNICIAN:EBS | | |
| BLANK | MB | DI H2O | <0.09 | | | | | | | |
| STANDARD | RS | 507.5.8 | 0.020 | | | 0.020 | 100 | | | |
| SPIKE | PDS | 960745-2 | 1.32 | | | | | <0.09 | 1.25 | 106 |
| DUPLICATE | MD | 960745-2 | <0.09 | <0.09 | 0.00 | | | | | |
| PARAMETER:Mercury (Hg), total<br>REPORTING LIMIT/DF: 0.002 UNITS:mg/L | | | | DATE/TIME ANALYZED:03/15/96 08:00<br>METHOD REFERENCE :EPA 245.1/7470 | | | | QC BATCH NUMBER:103274<br>TECHNICIAN:EBS | | |
| BLANK | MB | DI H2O | <0.002 | | | | | | | |
| STANDARD | RS | 507.6.8 | 0.020 | | | 0.020 | 100 | | | |
| SPIKE | MS | 960686-1 | 0.043 | | | | | <0.002 | 0.050 | 86 |
| DUPLICATE | MD | 960686-1 | <0.002 | <0.002 | NC | | | | | |
| PARAMETER:Arsenic (As), total<br>REPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:03/15/96 16:58<br>METHOD REFERENCE : SW-846 6010A | | | | QC BATCH NUMBER:103292<br>TECHNICIAN:GCC | | |
| BLANK | MB | 3050 | <0.05 | | | | | | | |
| BLANK | MB | 3051 | <0.05 | | | | | | | |
| STANDARD | ICV | Q1095 | 0.95 | | | 1.00 | 95 | | | |
| STANDARD | CCV | 1013C | 5.02 | | | 5.00 | 100 | | | |
| SPIKE | MS | 960690-001 | 0.93 | | | | | <0.05 | 1.00 | 93 |
| SPIKE | PDS | 960701-007 | 0.84 | | | | | <0.05 | 1.00 | 84 |
| DUPLICATE | MD | 960690-001 | <0.05 | <0.05 | NC | | | | | |
| DUPLICATE | MD | 960701-007 | <0.05 | <0.05 | NC | | | | | |
| PARAMETER:Cadmium (Cd), total<br>REPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:03/15/96 16:58<br>METHOD REFERENCE : SW-846 6010A | | | | QC BATCH NUMBER:103294<br>TECHNICIAN:GCC | | |
| BLANK | MB | 3050 | <0.05 | | | | | | | |
| BLANK | MB | 3051 | <0.05 | | | | | | | |
| STANDARD | ICV | Q1095 | 0.98 | | | 1.00 | 98 | | | |
| STANDARD | CCV | 1013C | 5.19 | | | 5.00 | 104 | | | |
| SPIKE | MS | 960690-001 | 0.88 | | | | | <0.05 | 1.00 | 88 |
| SPIKE | PDS | 960701-007 | 0.83 | | | | | <0.05 | 1.00 | 83 |
| DUPLICATE | MD | 960690-001 | <0.05 | <0.05 | NC | | | | | |
| DUPLICATE | MD | 960701-007 | <0.05 | <0.05 | NC | | | | | |

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

| ANALYSIS | | | | DUPLICATES | | REFERENCE STANDARDS | | MATRIX SPIKES | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ANALYSIS TYPE | ANALYSIS SUB-TYPE | ANALYSIS I.D. | ANALYZED VALUE (A) | DUPLICATE VALUE (B) | RPD or (\|A-B\|) | TRUE VALUE | PERCENT RECOVERY | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY |
| PARAMETER:Chromium (Cr), total<br>REPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:03/15/96 16:58<br>METHOD REFERENCE : SW-846 6010A | | | | QC BATCH NUMBER:103295<br>TECHNICIAN:GCC | | |
| BLANK | MB | 3050 | <0.05 | | | | | | | |
| BLANK | MB | 3051 | <0.05 | | | | | | | |
| STANDARD | ICV | Q1095 | 1.01 | | | 1.00 | 101 | | | |
| STANDARD | CCV | 1013C | 5.14 | | | 5.00 | 103 | | | |
| SPIKE | MS | 960690-001 | 0.88 | | | | | <0.05 | 1.00 | 88 |
| SPIKE | PDS | 960701-007 | 0.85 | | | | | <0.05 | 1.00 | 85 |
| DUPLICATE | MD | 960690-001 | <0.05 | <0.05 | NC | | | | | |
| DUPLICATE | MD | 960701-007 | <0.05 | <0.05 | NC | | | | | |
| PARAMETER:Lead (Pb), total<br>REPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:03/15/96 16:58<br>METHOD REFERENCE : SW-846 6010A | | | | QC BATCH NUMBER:103296<br>TECHNICIAN:GCC | | |
| BLANK | MB | 3050 | <0.05 | | | | | | | |
| BLANK | MB | 3051 | <0.05 | | | | | | | |
| STANDARD | ICV | Q1095 | 1.01 | | | 1.00 | 101 | | | |
| STANDARD | CCV | 1013C | 5.22 | | | 5.00 | 104 | | | |
| SPIKE | MS | 960690-001 | 0.83 | | | | | <0.05 | 1.00 | 83 |
| DUPLICATE | MD | 960690-001 | <0.05 | <0.05 | NC | | | | | |
| DUPLICATE | MD | 960701-007 | <0.05 | <0.05 | NC | | | | | |
| PARAMETER:Total Organic Halogen (TOX)<br>REPORTING LIMIT/DF: 0.15 UNITS:mg/L | | | | DATE/TIME ANALYZED:03/19/96 08:00<br>METHOD REFERENCE :EPA SW-846 9020 | | | | QC BATCH NUMBER:103503<br>TECHNICIAN:EBS | | |
| BLANK | MB | DI H2O | <0.15 | | | | | | | |
| STANDARD | RS | 507.4.11 | 1074 | | | 1000 | 107 | | | |
| SPIKE | MS | 960660-1 | 3.55 | | | | | 2.87 | 0.87 | 78 |
| DUPLICATE | MD | 960660-1 | 2.87 | 3.04 | 6 | | | | | |
| PARAMETER:Total Organic Halogens<br>REPORTING LIMIT/DF: 15 UNITS:ppm | | | | DATE/TIME ANALYZED:03/25/96 08:00<br>METHOD REFERENCE :EPA SW-846 9076 | | | | QC BATCH NUMBER:104064<br>TECHNICIAN:EBS | | |
| BLANK | MB | 386.25.9 | <15 | | | | | | | |
| STANDARD | RS | 507.4.23 | 493 | | | 490 | 101 | | | |
| SPIKE | MS | 960701-1 | 973 | | | | | <150 | 1000 | 97 |
| DUPLICATE | MD | 960701-1 | <15 | <15 | NC | | | | | |
| PARAMETER:pH, solid/waste<br>REPORTING LIMIT/DF: 0.1 UNITS:pH units | | | | DATE/TIME ANALYZED:03/29/96 09:08<br>METHOD REFERENCE :EPA SW-846 9045C | | | | QC BATCH NUMBER:104450<br>TECHNICIAN:DEH | | |
| STANDARD | LCS | 386.24.25 | 6.99 | | | 7.00 | 100 | | | |
| DUPLICATE | MD | 960701-7 | 8.4 | 8.4 | 0 | | | | | |

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CORE LABORATORIES

# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/11/96 TIME ANALYZED: 20:01 METHOD: EPA SW-846 8080 QC NUMBER:103014

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Aroclor-1016 | MB | 031196 | 1 | <1 | 1 | mg/kg |
| Aroclor-1260 | MB | 031196 | 1 | <1 | 1 | mg/kg |

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CORE LABORATORIES

# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/11/96 TIME ANALYZED: 20:01 METHOD: EPA SW-846 8080 QC NUMBER:103014

## REFERENCE STANDARDS

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | TRUE VALUE | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | CCV | B539.03.01 | 1 | 1080 | 1000 | 108 | 1 | mg/kg |
| Aroclor-1260 | CCV | B539.03.01 | 1 | 1010 | 1000 | 101 | 1 | mg/kg |
| Tetrachloro-m-Xylene | SS | B539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |
| Decachlorobiphenyl | SS | B539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |

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CORE LABORATORIES

# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/11/96 TIME ANALYZED: 20:01 METHOD: EPA SW-846 8080 QC NUMBER:103014

## MATRIX SPIKES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | MS | 960672-001 | 1 | 8 | 0 | 10 | 80 | 1 | mg/kg |
| Aroclor-1260 | MS | 960672-001 | 1 | 9 | 0 | 10 | 90 | 1 | mg/kg |
| Tetrachloro-m-Xylene | SS | 960668-001 | 1 | 54 | 0 | 100 | 54 | 0.03 | mg/kg |
| | SS | 960669-001 | 1 | 40 | 0 | 100 | 40 | 0.03 | mg/kg |
| | SS | 960670-001 | 1 | 40 | 0 | 100 | 40 | 0.03 | mg/kg |
| | SS | 960671-001 | 1 | 44 | 0 | 100 | 44 | 0.03 | mg/kg |
| | SS | 960672-001 | 1 | 54 | 0 | 100 | 54 | 0.03 | mg/kg |
| | SS | 960682-001 | 1 | 50 | 0 | 100 | 50 | 0.03 | mg/kg |
| | SS | 960694-001 | 1 | 52 | 0 | 100 | 52 | 0.03 | mg/kg |
| | SS | 960701-001 | 1 | 64 | 0 | 100 | 64 | 0.03 | mg/kg |
| | SS | 960701-002 | 1 | 49 | 0 | 100 | 49 | 0.03 | mg/kg |
| | SS | 960701-003 | 1 | 62 | 0 | 100 | 62 | 0.03 | mg/kg |
| | SS | 960701-009 | 1 | 65 | 0 | 100 | 65 | 0.03 | mg/kg |
| | SS | 960701-010 | 1 | 65 | 0 | 100 | 65 | 0.03 | mg/kg |
| Decachlorobiphenyl | SS | 960668-001 | 1 | 58 | 0 | 100 | 58 | 0.03 | mg/kg |
| | SS | 960669-001 | 1 | 57 | 0 | 100 | 57 | 0.03 | mg/kg |
| | SS | 960670-001 | 1 | 54 | 0 | 100 | 54 | 0.03 | mg/kg |
| | SS | 960671-001 | 1 | 56 | 0 | 100 | 56 | 0.03 | mg/kg |
| | SS | 960672-001 | 1 | 77 | 0 | 100 | 77 | 0.03 | mg/kg |
| | SS | 960682-001 | 1 | 59 | 0 | 100 | 59 | 0.03 | mg/kg |
| | SS | 960694-001 | 1 | 70 | 0 | 100 | 70 | 0.03 | mg/kg |
| | SS | 960701-001 | 1 | 62 | 0 | 100 | 62 | 0.03 | mg/kg |
| | SS | 960701-002 | 1 | 64 | 0 | 100 | 64 | 0.03 | mg/kg |
| | SS | 960701-003 | 1 | 72 | 0 | 100 | 72 | 0.03 | mg/kg |
| | SS | 960701-009 | 1 | 67 | 0 | 100 | 67 | 0.03 | mg/kg |
| | SS | 960701-010 | 1 | 69 | 0 | 100 | 69 | 0.03 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/11/96 TIME ANALYZED: 20:01 METHOD: EPA SW-846 8080 QC NUMBER:103014

## DUPLICATES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE (A) | DUPLICATE VALUE (B) | RPD or (\|A-B\|) | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | MSD | 960672-001 | 1 | 8 | 8 | 0 | 1 | mg/kg |
| Aroclor-1260 | MSD | 960672-001 | 1 | 9 | 10 | 11 | 1 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

3270 by 3580 DATE ANALYZED: 03/13/96 TIME ANALYZED: 10:23 METHOD: EPA SW-846 8270B QC NUMBER:103025

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Acenaphthene | MB | 030896 | 1 | <10 | 10 | ppm |
| 4-Chloro-3-methylphenol | MB | 030896 | 1 | <20 | 20 | ppm |
| 2-Chlorophenol | MB | 030896 | 1 | <10 | 10 | ppm |
| 1,4-Dichlorobenzene | MB | 030896 | 1 | <10 | 10 | ppm |
| 2,4-Dinitrotoluene | MB | 030896 | 1 | <10 | 10 | ppm |
| 4-Nitrophenol | MB | 030896 | 1 | <20 | 20 | ppm |
| N-Nitrosodi-n-propylamine | MB | 030896 | 1 | <10 | 10 | ppm |
| Pentachlorophenol | MB | 030896 | 1 | <20 | 20 | ppm |
| Phenol | MB | 030896 | 1 | <10 | 10 | ppm |
| Pyrene | MB | 030896 | 1 | <10 | 10 | ppm |
| 1,2,4-Trichlorobenzene | MB | 030896 | 1 | <10 | 10 | ppm |

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CORE LABORATORIES

# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST KEYER

8270 by 3580 DATE ANALYZED: 03/13/96 TIME ANALYZED: 10:23 METHOD: EPA SW-846 8270B QC NUMBER:103025

## MATRIX SPIKES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | BS | 030896-00 | 1 | 220 | 0 | 250 | 88 | 10 | ppm |
| 4-Chloro-3-methylphenol | BS | 030896-00 | 1 | 250 | 0 | 500 | 50 | 20 | ppm |
| 2-Chlorophenol | BS | 030896-00 | 1 | 410 | 0 | 500 | 82 | 10 | ppm |
| 1,4-Dichlorobenzene | BS | 030896-00 | 1 | 230 | 0 | 250 | 92 | 10 | ppm |
| 2,4-Dinitrotoluene | BS | 030896-00 | 1 | 140 | 0 | 250 | 56 | 10 | ppm |
| 4-Nitrophenol | BS | 030896-00 | 1 | 100 | 0 | 500 | 20 | 20 | ppm |
| N-Nitrosodi-n-propylamine | BS | 030896-00 | 1 | 160 | 0 | 250 | 64 | 10 | ppm |
| Pentachlorophenol | BS | 030896-00 | 1 | 120 | 0 | 500 | 24 | 20 | ppm |
| Phenol | BS | 030896-00 | 1 | 370 | 0 | 500 | 74 | 10 | ppm |
| Pyrene | BS | 030896-00 | 1 | 220 | 0 | 250 | 88 | 10 | ppm |
| 1,2,4-Trichlorobenzene | BS | 030896-00 | 1 | 230 | 0 | 250 | 92 | 10 | ppm |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/13/96 TIME ANALYZED: 20:16 METHOD: EPA SW-846 8080 QC NUMBER:103119

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Aroclor-1016 | MB | 031296 | 1 | <1 | 1 | mg/kg |
| Aroclor-1260 | MB | 031296 | 1 | <1 | 1 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/13/96 TIME ANALYZED: 20:16 METHOD: EPA SW-846 8080 QC NUMBER:103119

## REFERENCE STANDARDS

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | TRUE VALUE | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | CCV | B539.03.01 | 1 | 1130 | 1000 | 113 | 1 | mg/kg |
| Aroclor-1260 | CCV | B539.03.01 | 1 | 940 | 1000 | 94 | 1 | mg/kg |
| Tetrachloro-m-Xylene | SS | B539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |
| Decachlorobiphenyl | SS | B539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |

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## QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/13/96 TIME ANALYZED: 20:16 METHOD: EPA SW-846 8080 QC NUMBER:103119

### MATRIX SPIKES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | SS | 960701-008 | 1 | 59 | 0 | 100 | 59 | 0.03 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN WATER DATE ANALYZED: 03/13/96 TIME ANALYZED: 20:26 METHOD: EPA 608 QC NUMBER:103120

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Aroclor-1016 | MB | 031296 | 1 | <0.65 | 0.65 | ug/L |
| Aroclor-1260 | MB | 031296 | 1 | <0.65 | 0.65 | ug/L |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN WATER DATE ANALYZED: 03/13/96 TIME ANALYZED: 20:26 METHOD: EPA 608 QC NUMBER:103120

## REFERENCE STANDARDS

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | TRUE VALUE | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | CCV | B539.03.01 | 1 | 1130 | 1000 | 113 | 0.65 | ug/L |
| Aroclor-1260 | CCV | B539.03.01 | 1 | 940 | 1000 | 94 | 0.65 | ug/L |
| Tetrachloro-m-Xylene | SS | B539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | ug/L |
| Decachlorobiphenyl | SS | B539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | ug/L |

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# LABORATORY TESTS RESULTS

03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 189738
DATE SAMPLED.....: 03/07/96
TIME SAMPLED.....: 1450
WORK DESCRIPTION...: 189738

LABORATORY I.D...: 960701-0006
DATE RECEIVED....: 03/08/96
TIME RECEIVED....: 16:30
REMARKS.....: SAMPLED BY S.C.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *10 | | EPA SW-846 8260 | 03/15/96 | QP |
| Acetone | <1000 | 1000 | ug/L | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Bromomethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloroethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Chloromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | ug/L | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Toluene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Vinyl acetate | <100 | 100 | ug/L | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | ug/L | EPA SW-846 8260 | | |
| Total Xylenes | <100 | 100 | ug/L | EPA SW-846 8260 | | |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

PCBS IN WATER DATE ANALYZED: 03/13/96 TIME ANALYZED: 20:26 METHOD: EPA 608 QC NUMBER:103120

## MATRIX SPIKES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | MS | 960701-004 | 1 | 7 | 0 | 10 | 70 | 0.65 | ug/L |
| Aroclor-1260 | MS | 960701-004 | 1 | 8 | 0 | 10 | 80 | 0.65 | ug/L |
| Decachlorobiphenyl | SS | 960701-004 | 1 | 62 | 0 | 100 | 62 | 0.03 | ug/L |
| | SS | 960701-005 | 1 | 55 | 0 | 100 | 55 | 0.03 | ug/L |
| | SS | 960701-006 | 1 | 55 | 0 | 100 | 55 | 0.03 | ug/L |
| | SS | 960701-007 | 1 | 60 | 0 | 100 | 60 | 0.03 | ug/L |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN WATER DATE ANALYZED: 03/13/96 TIME ANALYZED: 20:26 METHOD: EPA 608 QC NUMBER:103120

## DUPLICATES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE (A) | DUPLICATE VALUE (B) | RPD or (\|A-B\|) | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | MSD | 960701-001 | 1 | 7 | 6 | 15 | 0.65 | ug/L |
| Aroclor-1260 | MSD | 960701-004 | 1 | 8 | 7 | 13 | 0.65 | ug/L |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

BNA Matrix Spike Compounds DATE ANALYZED: 03/16/96 TIME ANALYZED: 14:56 METHOD: EPA SW-846 8270B QC NUMBER:103346

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Acenaphthene | MB | 031396 | 1 | <10 | 10 | ug/L |
| 4-Chloro-3-methylphenol | MB | 031396 | 1 | <20 | 20 | ug/L |
| 2-Chlorophenol | MB | 031396 | 1 | <10 | 10 | ug/L |
| 1,4-Dichlorobenzene | MB | 031396 | 1 | <10 | 10 | ug/L |
| 2,4-Dinitrotoluene | MB | 031396 | 1 | <10 | 10 | ug/L |
| 4-Nitrophenol | MB | 031396 | 1 | <50 | 50 | ug/L |
| N-Nitrosodi-n-propylamine | MB | 031396 | 1 | <10 | 10 | ug/L |
| Pentachlorophenol | MB | 031396 | 1 | <50 | 50 | ug/L |
| Phenol | MB | 031396 | 1 | <10 | 10 | ug/L |
| Pyrene | MB | 031396 | 1 | <10 | 10 | ug/L |
| 1,2,4-Trichlorobenzene | MB | 031396 | 1 | <10 | 10 | ug/L |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

BNA Matrix Spike Compounds DATE ANALYZED: 03/16/96 TIME ANALYZED: 14:56 METHOD: EPA SW-846 8270B QC NUMBER:103346

## MATRIX SPIKES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | BS | 031396-00 | 1 | 80 | 0 | 100 | 80 | 10 | ug/L |
| | MS | 960722-1 | 1 | 760 | 0 | 1000 | 76 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 680 | 0 | 1000 | 68 | 10 | ug/L |
| 4-Chloro-3-methylphenol | BS | 031396-00 | 1 | 160 | 0 | 200 | 80 | 20 | ug/L |
| | MS | 960722-1 | 1 | 1700 | 0 | 2000 | 85 | 20 | ug/L |
| | MSD | 960722-1 | 1 | 1500 | 0 | 2000 | 75 | 20 | ug/L |
| 2-Chlorophenol | BS | 031396-00 | 1 | 150 | 0 | 200 | 75 | 10 | ug/L |
| | MS | 960722-1 | 1 | 1100 | 0 | 2000 | 55 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 1300 | 0 | 2000 | 65 | 10 | ug/L |
| 1,4-Dichlorobenzene | BS | 031396-00 | 1 | 70 | 0 | 100 | 70 | 10 | ug/L |
| | MS | 960722-1 | 1 | 520 | 0 | 1000 | 52 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 460 | 0 | 1000 | 46 | 10 | ug/L |
| 2,4-Dinitrotoluene | BS | 031396-00 | 1 | 60 | 0 | 100 | 60 | 10 | ug/L |
| | MS | 960722-1 | 1 | 760 | 0 | 1000 | 76 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 660 | 0 | 1000 | 66 | 10 | ug/L |
| 4-Nitrophenol | BS | 031396-00 | 1 | 52 | 0 | 200 | 26 | 50 | ug/L |
| | MS | 960722-1 | 1 | 570 | 0 | 2000 | 28 | 50 | ug/L |
| | MSD | 960722-1 | 1 | 470 | 0 | 2000 | 24 | 50 | ug/L |
| N-Nitrosodi-n-propylamine | BS | 031396-00 | 1 | 100 | 0 | 100 | 100 | 10 | ug/L |
| | MS | 960722-1 | 1 | 580 | 0 | 1000 | 58 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 780 | 0 | 1000 | 78 | 10 | ug/L |
| Pentachlorophenol | BS | 031396-00 | 1 | 120 | 0 | 200 | 60 | 50 | ug/L |
| | MS | 960722-1 | 1 | 2000 | 0 | 2000 | 100 | 50 | ug/L |
| | MSD | 960722-1 | 1 | 1700 | 0 | 2000 | 85 | 50 | ug/L |
| Phenol | BS | 031396-00 | 1 | 180 | 0 | 200 | 90 | 10 | ug/L |
| | MS | 960722-1 | 1 | 1400 | 610 | 2000 | 40 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 1600 | 610 | 2000 | 50 | 10 | ug/L |
| Pyrene | BS | 031396-00 | 1 | 110 | 0 | 100 | 110 | 10 | ug/L |
| | MS | 960722-1 | 1 | 800 | 0 | 1000 | 80 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 740 | 0 | 1000 | 74 | 10 | ug/L |
| 1,2,4-Trichlorobenzene | BS | 031396-00 | 1 | 60 | 0 | 100 | 60 | 10 | ug/L |
| | MS | 960722-1 | 1 | 640 | 0 | 1000 | 64 | 10 | ug/L |
| | MSD | 960722-1 | 1 | 560 | 0 | 1000 | 56 | 10 | ug/L |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST MEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 03/15/96 TIME ANALYZED: 15:44 METHOD: EPA SW-846 8260 QC NUMBER:103462

## BLANKS

| TEST DESCRIPTION | ANALY | SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|
| Chloromethane | MB | | 031596 | 1 | <10 | 10 | ug/L |
| Vinyl chloride | MB | | 031596 | 1 | <5 | 5 | ug/L |
| 1,1-Dichloroethene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| 1,1-Dichloroethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Chloroform | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Benzene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Trichloroethene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| 1,2-Dichloropropane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Toluene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Chlorobenzene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Ethylbenzene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Bromoform | MB | | 031596 | 1 | <5 | 5 | ug/L |
| 1,1,2,2-Tetrachloroethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Acetone | MB | | 031596 | 1 | <50 | 50 | ug/L |
| Acrolein | MB | | 031596 | 1 | <50 | 50 | ug/L |
| Acrylonitrile | MB | | 031596 | 1 | <50 | 50 | ug/L |
| Bromodichloromethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Bromomethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Methyl ethyl ketone | MB | | 031596 | 1 | <100 | 100 | ug/L |
| Carbon disulfide | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Carbon tetrachloride | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Chlorodibromomethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Chloroethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| 2-Chloroethylvinyl ether | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Dibromomethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Dichlorodifluoromethane | MB | | 031596 | 1 | <10 | 10 | ug/L |
| 1,2-Dichloroethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| trans-1,2-Dichloroethene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| cis-1,3-Dichloropropene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| trans-1,3-Dichloropropene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Ethyl methacrylate | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Methyl butyl ketone | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Iodomethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Methylene chloride | MB | | 031596 | 1 | <50 | 50 | ug/L |
| Methyl isobutyl ketone | MB | | 031596 | 1 | <10 | 10 | ug/L |
| Styrene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Tetrachloroethene | MB | | 031596 | 1 | <5 | 5 | ug/L |
| 1,1,1-Trichloroethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| 1,1,2-Trichloroethane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Trichlorofluoromethane | MB | | 031596 | 1 | <10 | 10 | ug/L |
| 1,2,3-Trichloropropane | MB | | 031596 | 1 | <5 | 5 | ug/L |
| Vinyl acetate | MB | | 031596 | 1 | <10 | 10 | ug/L |
| Total Xylenes | MB | | 031596 | 1 | <10 | 10 | ug/L |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: TNRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 03/15/96 TIME ANALYZED: 15:44 METHOD: EPA SW-846 8260 QC NUMBER:103462

REFERENCE STANDARDS

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | TRUE VALUE | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| Chloromethane | CC | 531.14.10 | 1 | 96 | 100 | 96 | 10 | ug/L |
| Vinyl chloride | CC | 531.14.10 | 1 | 90 | 100 | 90 | 5 | ug/L |
| 1,1-Dichloroethene | CC | 531.14.10 | 1 | 109 | 100 | 109 | 5 | ug/L |
| 1,1-Dichloroethane | CC | 531.14.10 | 1 | 111 | 100 | 111 | 5 | ug/L |
| Chloroform | CC | 531.14.10 | 1 | 104 | 100 | 104 | 5 | ug/L |
| Benzene | CC | 531.14.10 | 1 | 113 | 100 | 113 | 5 | ug/L |
| Trichloroethene | CC | 531.14.10 | 1 | 111 | 100 | 111 | 5 | ug/L |
| 1,2-Dichloropropane | CC | 531.14.10 | 1 | 111 | 100 | 111 | 5 | ug/L |
| Toluene | CC | 531.14.10 | 1 | 111 | 100 | 111 | 5 | ug/L |
| Chlorobenzene | CC | 531.14.10 | 1 | 118 | 100 | 118 | 5 | ug/L |
| Ethylbenzene | CC | 531.14.10 | 1 | 118 | 100 | 118 | 5 | ug/L |
| Bromoform | CC | 531.14.10 | 1 | 120 | 100 | 120 | 5 | ug/L |
| 1,1,2,2-Tetrachloroethane | CC | 531.14.10 | 1 | 118 | 100 | 118 | 5 | ug/L |
| Dibromofluoromethane(Surrogate) | CC | 531.14.10 | 1 | 49 | 50 | 98 | 5 | ug/L |
| Toluene d-8 (Surrogate) | CC | 531.14.10 | 1 | 48 | 50 | 96 | 5 | ug/L |
| 4-Bromofluorobenzene(Surrogate) | CC | 531.14.10 | 1 | 51 | 50 | 102 | 5 | ug/L |

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# QUALITY ASSURANCE REPORT
03/29/96

JOB NUMBER: 960701 CUSTOMER: THRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 03/15/96 TIME ANALYZED: 15:44 METHOD: EPA SW-846 8260 QC NUMBER:103462

## MATRIX SPIKES

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | MS | 960679-3 | 1 | 220 | 0 | 200 | 110 | 5 | ug/L |
| | MSD | 960679-3 | 1 | 220 | 0 | 200 | 110 | 5 | ug/L |
| Benzene | MS | 960679-3 | 1 | 170 | 0 | 200 | 85 | 5 | ug/L |
| | MSD | 960679-3 | 1 | 180 | 0 | 200 | 90 | 5 | ug/L |
| Trichloroethene | MS | 960679-3 | 1 | 170 | 0 | 200 | 85 | 5 | ug/L |
| | MSD | 960679-3 | 1 | 170 | 0 | 200 | 85 | 5 | ug/L |
| Toluene | MS | 960679-3 | 1 | 190 | 0 | 200 | 95 | 5 | ug/L |
| | MSD | 960679-3 | 1 | 200 | 0 | 200 | 100 | 5 | ug/L |
| Chlorobenzene | MS | 960679-3 | 1 | 180 | 0 | 200 | 90 | 5 | ug/L |
| | MSD | 960679-3 | 1 | 190 | 0 | 200 | 95 | 5 | ug/L |
| Dibromofluoromethane(Surrogate | MB | 031596-00 | 1 | 47 | 0 | 50 | 94 | 5 | ug/L |
| Toluene d-8 (Surrogate) | MB | 031596-00 | 1 | 49 | 0 | 50 | 98 | 5 | ug/L |
| 4-Bromofluorobenzene(Surrogate | MB | 031596-00 | 1 | 49 | 0 | 50 | 98 | 5 | ug/L |

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## QUALITY ASSURANCE FOOTER

Cited Methods are obtained from the following documents :

EPA 600/2-79-020, Methods for the Analysis of Water and Wastes, March 1983.
USEPA SW-846 3rd. Edition, November 1990 and July 1992 Update, Test Methods for Evaluating Solid Waste.
EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.
Federal Register, July 1, 1992 (40 CFR Part 136).
Standard Methods for the Examination of Water and Wastewater, 18th Ed. APHA, AWWA, WPCF.
Methods of Soil Analysis, Agronomy No. 9, C.A. Black, 1965.

Quality control acceptance criteria are method dependent.
All data reported on sample "as received" unless noted.
Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.
NC = Not Calculated due to value at or below detection limit.
NOTE: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical range.
The "TIME ANALYZED" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "DATE ANALYZED" is the actual date of analysis.
The data in this report are within the limits of uncertainty specified in the referenced method unless otherwise indicated.

## SUBCONTRACTED LABORATORY LOCATIONS

For analyses performed by a subcontract laboratory, an "*" and the designated laboratory code is indicated in the "TECHN" column of the laboratory test results report.

Core Laboratories :

| | | | |
|---|---|---|---|
| Anaheim | *AN | Lake Charles | *LC |
| Aurora | *AU | Long Beach | *LB |
| Casper | *CA | Other Laboratories | *XX |
| Houston | *HP | | |

## QUALITY ASSURANCE REPORT CODES

| BLANKS* | REFERENCE STANDARDS | SPIKES AND DUPLICATES |
|---|---|---|
| MB = Method Blank | RS = Reference Standard | MS = Matrix Spike, BS = Blank Spike |
| RB = Reagent Blank | CC = Continuing Calib. | SS = Surrogate Spike, MD = Matrix Dup. |
| SB = Storage Blank | LCS = Laboratory Control Std. | PDS= Post Digested Spike |
| ICB = Initial Calib. Blank | ICV = Initial Calib. Verification | MSD= Matrix Spike Duplicate |
| CCB = Continuing Calib. Blank | CCV = Cont. Calib. Verification | PDD= Post Digested Duplicate |

*In the event that several different method blanks are analyzed, the blank type will be designated by the preparation method, i.e., ZHE, TCLP, 3010, 3050, etc.

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