# Reference 31

9532653

Site Name: MJP Resources

Site Location: ~~Business U.S. Hwy. 35~~ DR; East of Ingleside, TX
FM 2725

County: San Patricio  Basin: San Antonio - Nueces Coastal

Method of Collection: dip w/ jar

Point of Collection: tank #7; sample # MJP-1

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

Time Collected: 2:45 (am.)(pm) Date Shipped: 3/19/96

Add. COC #s: N/A

ODOR; ☒ Yes; ☐ No; Describe: hydrocarbon

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | I/I (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | I/I (29) |
|---|---|---|---|---|---|---|---|
| 31255 ~~31 28~~ | N/A | 001 | B | 02 | 16 | 96 | L |

David Harvey
(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 184536

Region District 14  Org. No. 4214  Work No. 93590  Lab CORE

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

Comments: Sample no. MJP-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~~ | | semivolatiles | | Chromium - Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCB's | | Lead - Total | |
| 00680 | | | | | |
| ~~GC/MS~~ | | TOX | | Mercury - TCLP | |
| | | | | | |
| | | Arsenic - Total | | | |
| | | | | | |

31 001

NO. SW 104001

Site Name: MJP Resources

Site Location: ~~Business US Hwy 35~~ DH East of Inglesiile, TX; FM 2725

County: ~~N~~ DH San Patricio Basin: San Antonio - Nueces Coastal

Method of Collection: dip w/ jar

Point of Collection: tank no. 2 ; sample no. MJP-2

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

Time Collected: 3:15 (am, pm) Date Shipped: 2/19/96

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) |
|---|---|---|---|---|---|---|---|
| 3128 | N/A | 001 | B | 02 | 16 | 96 | L |

David Harvey
(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 184537

~~District~~ Region 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 no. MJP-2

(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~~ | | semivolatiles | | Chromium - Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCB's | | Lead - Total | |
| 00680 | | | | | |
| ~~GC/MS~~ | | TOX | | Mercury - ~~Total~~ TCLP | |
| | | | | | |
| | | Arsenic - Total | | | |

NO. SW 184538

Site Name: MJP Resources

Site Location: ~~Business U.S. Hwy. 77;~~ East of Ingleside, TX FM 2725

County: San Patricio  Basin: San Antonio - Nueces Coastal

Method of Collection: dip w/ jar

Point of Collection: tank # N1 ; sample no. MJP-3

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

Time Collected: 3:40 (am) (pm)  Date Shipped: 2/19/96

Add. COC #: N/A

ODOR: ☒ Yes; ☐ No; Describe: hydrocarbon

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | Int. (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | Int. (29) |
|---|---|---|---|---|---|---|---|
| 3128 3 | N/A | 001 | B | 02 | 16 | 96 | L |

David Harvey
(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 184538

Region 14 Org. No. 4314 Work No. 92890 Lab CORE

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

Comments: sample no. MJP-3

(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 | | | | | |
| ~~OGD~~ | | semivolatiles | | Chromium - Total | |
| 00340 | | | | | |
| ~~TDS~~ | | PCB's | | Lead - Total | |
| 00680 | | | | | |
| ~~CONS~~ | | TOX | | Mercury - TCLP | |
| | | | | | |
| | | Arsenic - Total | | | |

31 003

Site Name: MJP Resources

Site Location: ~~Business US Hwy 35~~ FM 2725; East of Ingleside, TX

County: San Patricio  Basin: San Antonio - Nueces Coastal

Method of Collection: dip w/ jar

Point of Collection: tank #N2; sample no. MJP-4

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

Time Collected: 3:47 (am, pm)  Date Shipped: 2/19/96

Add. COC #s: N/A

ODOR; ☒ Yes; ☐ No; Describe: hydrocarbon

| 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 | N/A | 001 | B | 02 | 16 | 96 | L |

David Harvey
(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 184539

Region ~~District~~ 14  Org. No. 9214  Work No. 92890  Lab CORE

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

Comments: sample no. MJP-4

(continued on back)

| Lab Only | Date | rec'd: | |
|---|---|---|---|
| | | cmplt: | (Lab No) |
| | | 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~~ | | semivolatiles | | Chromium - Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCBs | | Lead - Total | |
| 00680 | | | | | |
| ~~GC/MS~~ | | TOX | | Mercury - TCLP | |
| | | | | | |
| | | Arsenic - Total | | | |

31 004

Site Name: MJP Resources

Site Location: FM 2725; East of Ingleside, TX

County: San Patricio  Basin: San Antonio - Nueces Coastal

Method of Collection: dip w/ jar

Point of Collection: tank # 3; sample # MJP-5

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

Time Collected: 4:15 (am) (pm)  Date Shipped: 2/19/96

Add. COC #: N/A

ODOR: ☒ Yes; ☐ No; Describe: hydrocarbon

| S.W. Registration (1–9) | Permit Number (10–18) | Page No. (19–21) | 1/1 (22) | Date Mo. (23–24) | Date Day (25–26) | Date Yr. (27–28) | 1/1 (29) |
|---|---|---|---|---|---|---|---|
| 3128 | N/A | 001 | B | 02 | 16 | 96 | L |

David Harvey
(Collector's Signature)

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

TEXAS WATER COMMISSION  TWC-0649 (Rev.05-23-86)

NO. SW 184540

Region: 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 no. MJP-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 | | | | | |
| ~~BOD~~ | | semivolatiles | | Chromium - Total | |
| 00340 | | | | | |
| ~~TOC~~ | | PCB's | | Lead - Total | |
| 00680 | | | | | |
| ~~GR/MG~~ | | TOX | | Mercury - TCLP | |
| | | | | | |
| | | Arsenic - Total | | | |

31 005

CORE LABORATORIES

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

Job Number: 960507
Prepared For:

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

Date: 03/05/96

Signature

Date: 3/6/96

Name: Charles Sassine

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

Title: Laboratory Supervisor



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CORE LAB

# CORE LABORATORIES

## LABORATORY TESTS RESULTS
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184536 MJP-1
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 14:45
WORK DESCRIPTION...: 184536 MJP-1

LABORATORY I.D...: 960507-0001
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *1 | | EPA SW-846 8260 | 02/27/96 | QP |
| Acetone | <1000 | 1000 | mg/kg | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethylbenzene | 110 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Toluene | 490 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Vinyl acetate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Total Xylenes | 570 | 50 | mg/kg | EPA SW-846 8260 | | |

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



31 007

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

JB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST MEYER

LIENT I.D.....: 184536 MJP-1
ATE SAMPLED.....: 02/16/96
IME SAMPLED.....: 14:45
ORK DESCRIPTION...: 184536 MJP-1

LABORATORY I.D...: 960507-0001
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| EST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | mg/kg | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 180 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 160 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | mg/kg | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 92 | 0 | mg/kg | 80-120% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 101 | 0 | mg/kg | 81-117% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 95 | 0 | mg/kg | 74-121% QC LIMITS | | |
| :/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 02/26/96 | 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



31 008

CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184536 MJP-1
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 14:45
WORK DESCRIPTION...: 184536 MJP-1

LABORATORY I.D...: 960507-0001
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| 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 | 2700 | 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 | 1800 | 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) | 103 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 115 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 107 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 111 | 0 | % Recovery | 30-115% QC LIMITS | | |

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



31 009

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

OB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 184536 MJP-1
ATE SAMPLED.....: 02/16/96
IME SAMPLED.....: 14:45
ORK DESCRIPTION...: 184536 MJP-1

LABORATORY I.D...: 960507-0001
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| EST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 90 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 101 | 0 | % Recovery | 18-137% QC LIMITS | | |
| xtraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 02/20/96 | WEB |
| xtraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3580 | 02/23/96 | WEB |
| rsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| admium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| hromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| ead (Pb), total | 12 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| otal Organic Halogens | 470 | 150 | ppm | EPA SW-846 9076 | 02/27/96 | EBS |
| olychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 03/01/96 | 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 | | |
| ercury (Hg), total | 0.18 | 0.09 | mg/kg | EPA SW-846 7471 | 02/28/96 | EBS |
| etals Digest | Completed | | | EPA SW-846 3051 | 02/22/96 | SLW |

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

# LABORATORY TESTS RESULTS

03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 184537 MJP-2
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: 184537 MJP-2

LABORATORY I.D...: 960507-0002
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *12.5 | | EPA SW-846 8260 | 02/27/96 | QP |
| Acetone | <12500 | 12500 | ug/kg | EPA SW-846 8260 | | |
| Acrolein | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Acrylonitrile | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Benzene | 1700 | 625 | ug/kg | EPA SW-846 8260 | | |
| Bromodichloromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Bromoform | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Bromomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Carbon disulfide | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Carbon tetrachloride | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chlorobenzene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chlorodibromomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chloroform | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chloromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Dibromomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Ethylbenzene | 5500 | 625 | ug/kg | EPA SW-846 8260 | | |
| Ethyl methacrylate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl butyl ketone | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Iodomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methylene chloride | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Styrene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Tetrachloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Toluene | 32000 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Trichloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Vinyl acetate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Vinyl chloride | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Total Xylenes | 29000 | 625 | ug/kg | EPA SW-846 8260 | | |

1733 NORTH PADRE ISLAND DRIVE
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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

OB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 184537 MJP-2
ATE SAMPLED.....: 02/16/96
IME SAMPLED.....: 15:15
ORK DESCRIPTION...: 184537 MJP-2

LABORATORY I.D...: 960507-0002
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| EST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | 1100 | 625 | ug/kg | EPA SW-846 8260 | | |
| Acetonitrile | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,4-Dioxane | <62500 | 62500 | ug/kg | EPA SW-846 8260 | | |
| Ethyl acetate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Ethyl ether | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl methacrylate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 31000 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 22000 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <62500 | 62500 | ug/kg | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 90 | 0 | % Recovery | 80-120% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 103 | 0 | % Recovery | 81-117% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 94 | 0 | % Revovery | 74-121% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 02/26/96 | 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
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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

JOB NUMBER: 960507 CUSTOMER: THRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184537 MJP-2
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: 184537 MJP-2

LABORATORY I.D...: 960507-0002
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| 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 | 1600 | 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) | 107 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 109 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 106 | 0 | % Recovery | 30-115% QC LIMITS | | |

1733 NORTH PADRE ISLAND DRIVE
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31 013

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 184537 MJP-2
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: 184537 MJP-2

LABORATORY I.D...: 960507-0002
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 90 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 98 | 0 | % Recovery | 18-137% QC LIMITS | | |
| Extraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 02/20/96 | WEB |
| Extraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3580 | 02/23/96 | WEB |
| Arsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Cadmium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Chromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Lead (Pb), total | 8 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Total Organic Halogens | 310 | 150 | ppm | EPA SW-846 9076 | 02/27/96 | EBS |
| Polychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 02/23/96 | 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 | | |
| Mercury (Hg), total | 0.41 | 0.09 | mg/kg | EPA SW-846 7471 | 02/28/96 | EBS |
| Metals Digest | Completed | | | EPA SW-846 3051 | 02/22/96 | SLW |

1733 NORTH PADRE ISLAND DRIVE
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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

OB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 184538 MJP-3
ATE SAMPLED.....: 02/16/96
IME SAMPLED.....: 15:40
ORK DESCRIPTION...: 184538 MJP-3

LABORATORY I.D...: 960507-0003
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| EST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| C/MS Volatile Organics | | *1 | | EPA SW-846 8260 | 02/27/96 | QP |
| Acetone | <1000 | 1000 | mg/kg | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Toluene | 100 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Vinyl acetate | 270 | 50 | mg/kg | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Total Xylenes | 62 | 50 | mg/kg | EPA SW-846 8260 | | |

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

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184538 MJP-3
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:40
WORK DESCRIPTION...: 184538 MJP-3

LABORATORY I.D...: 960507-0003
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | mg/kg | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 90 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 69 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | mg/kg | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 92 | 0 | % Recovery | 80-120% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 102 | 0 | % Recovery | 81-117% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 96 | 0 | % Recovery | 74-121% QC LIMITS | | |
| C/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 02/26/96 | 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
03/05/96

OB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 184538 MJP-3
ATE SAMPLED.....: 02/16/96
IME SAMPLED.....: 15:40
ORK DESCRIPTION...: 184538 MJP-3

LABORATORY I.D...: 960507-0003
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| EST 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 | 2700 | 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 | 4100 | 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 | 2100 | 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) | 97 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 107 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 110 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 104 | 0 | % Recovery | 30-115% QC LIMITS | | |

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



31 017

CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184538 MJP-3
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:40
WORK DESCRIPTION...: 184538 MJP-3

LABORATORY I.D....: 960507-0003
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 88 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 96 | 0 | % Recovery | 18-137% QC LIMITS | | |
| Extraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 02/20/96 | WEB |
| Extraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3580 | 02/23/96 | WEB |
| Arsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Cadmium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Chromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Lead (Pb), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Total Organic Halogens | 230 | 150 | ppm | EPA SW-846 9076 | 02/27/96 | EBS |
| Polychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 02/23/96 | 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 | | |
| Mercury (Hg), total | <0.09 | 0.09 | mg/kg | EPA SW-846 7471 | 02/28/96 | EBS |
| Metals Digest | Completed | | | EPA SW-846 3051 | 02/22/96 | SLW |

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

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184539 MJP-4
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:47
WORK DESCRIPTION...: 184539 MJP-4

LABORATORY I.D...: 960507-0004
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *1 | | EPA SW-846 8260 | 02/27/96 | CP |
| Acetone | <1000 | 1000 | mg/kg | EPA SW-846 8260 | | |
| Acrolein | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Acrylonitrile | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Benzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromodichloromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromoform | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Bromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Carbon disulfide | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Carbon tetrachloride | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chlorobenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chlorodibromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloroform | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Chloromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Dibromomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethylbenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethyl methacrylate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl butyl ketone | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Iodomethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methylene chloride | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Styrene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Tetrachloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Toluene | 190 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Trichloroethene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Vinyl acetate | 15000 | 50 | mg/kg | EPA SW-846 8260 | | |
| Vinyl chloride | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Total Xylenes | 150 | 50 | mg/kg | 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
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184539 MJP-4
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:47
WORK DESCRIPTION...: 184539 MJP-4

LABORATORY I.D...: 960507-0004
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Acetonitrile | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,4-Dioxane | <5000 | 5000 | mg/kg | EPA SW-846 8260 | | |
| Ethyl acetate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Ethyl ether | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| Methyl methacrylate | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <500 | 500 | mg/kg | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 78 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 79 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <50 | 50 | mg/kg | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <5000 | 5000 | mg/kg | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 93 | 0 | % Recovery | 80-120% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 104 | 0 | % Recovery | 81-117% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 95 | 0 | % Recovery | 74-121% QC LIMITS | | |
| GC/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 02/26/96 | 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
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 184539 MJP-4
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 15:47
WORK DESCRIPTION...: 184539 MJP-4

LABORATORY I.D...: 960507-0004
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| 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) | 103 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 104 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 109 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 113 | 0 | % Recovery | 30-115% QC LIMITS | | |

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



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CORE LABORATORIES

# LABORATORY TESTS RESULTS
03/05/96

OB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 184539 MJP-4
ATE SAMPLED.....: 02/16/96
IME SAMPLED.....: 15:47
ORK DESCRIPTION...: 184539 MJP-4

LABORATORY I.D...: 960507-0004
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| EST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 91 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 102 | 0 | % Recovery | 18-137% QC LIMITS | | |
| xtraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 02/20/96 | WEB |
| xtraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3580 | 02/23/96 | WEB |
| rsenic (As), total | <5 | 5 | mg/kg | EPA SW-846 6010A | 02/29/96 | GCC |
| dmium (Cd), total | <5 | 5 | mg/kg | EPA SW-846 6010A | 02/29/96 | GCC |
| romium (Cr), total | <5 | 5 | mg/kg | EPA SW-846 6010A | 02/29/96 | GCC |
| ead (Pb), total | <5 | 5 | mg/kg | EPA SW-846 6010A | 02/29/96 | GCC |
| otal Organic Halogens | <150 | 150 | ppm | EPA SW-846 9076 | 02/27/96 | EBS |
| olychlorinated Biphenyls in Oils | | *1 | | EPA SW-846 8080 | 02/21/96 | 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 | | |
| rcury (Hg), total | <0.09 | 0.09 | mg/kg | EPA SW-846 7471 | 02/28/96 | EBS |
| tals Digest | Completed | | | EPA SW-846 3051 | 02/22/96 | SLW |

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



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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184540 MJP-5
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 16:15
WORK DESCRIPTION...: 184540 MJP-5

LABORATORY I.D...: 960507-0005
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| GC/MS Volatile Organics | | *12.5 | | EPA SW-846 8260 | 02/27/96 | CP |
| Acetone | <12500 | 12500 | ug/kg | EPA SW-846 8260 | | |
| Acrolein | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Acrylonitrile | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Benzene | 1400 | 625 | ug/kg | EPA SW-846 8260 | | |
| Bromodichloromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Bromoform | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Bromomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl ethyl ketone | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Carbon disulfide | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Carbon tetrachloride | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chlorobenzene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chlorodibromomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 2-Chloroethylvinyl ether | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chloroform | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Chloromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Dibromomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Dichlorodifluoromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2-Dichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1-Dichloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| trans-1,2-Dichloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2-Dichloropropane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| cis-1,3-Dichloropropene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| trans-1,3-Dichloropropene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Ethylbenzene | 30000 | 625 | ug/kg | EPA SW-846 8260 | | |
| Ethyl methacrylate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl butyl ketone | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Iodomethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methylene chloride | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| Methyl isobutyl ketone | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Styrene | 18000 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,2,2-Tetrachloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Tetrachloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Toluene | 6300 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,1-Trichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,2-Trichloroethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Trichloroethene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Trichlorofluoromethane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichloropropane | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Vinyl acetate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Vinyl chloride | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Total Xylenes | 22000 | 625 | ug/kg | EPA SW-846 8260 | | |

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CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184540 MJP-5
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 16:15
WORK DESCRIPTION...: 184540 MJP-5

LABORATORY I.D...: 960507-0005
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl t-Butyl Ether | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Acetonitrile | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,4-Dioxane | <62500 | 62500 | ug/kg | EPA SW-846 8260 | | |
| Ethyl acetate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Ethyl ether | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| Methyl methacrylate | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,1,2Trichloro-1,2,2Trifluoroethan | <6250 | 6250 | ug/kg | EPA SW-846 8260 | | |
| 1,2,4-Tri-Methylbenzene | 18000 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,3,5-Trimethylbenzene | 31000 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1,2,3-Trichlorobenzene | <625 | 625 | ug/kg | EPA SW-846 8260 | | |
| 1-Methylpyrrolidine | <62500 | 62500 | ug/kg | EPA SW-846 8260 | | |
| Dibromofluoromethane(Surrogate) | 84 | 0 | % Recovery | 80-120% QC LIMITS | | |
| Toluene d-8 (Surrogate) | 108 | 0 | % Recovery | 81-117% QC LIMITS | | |
| 4-Bromofluorobenzene(Surrogate) | 98 | 0 | % Revovery | 74-121% QC LIMITS | | |
| GC/MS Semivolatile Organics | | *100 | | EPA SW-846 8270B | 02/26/96 | 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 | | |

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CORPUS CHRISTI, TX 78408
(512) 289-2673



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CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 184540 MJP-5
ATE SAMPLED.....: 02/16/96
IME SAMPLED.....: 16:15
ORK DESCRIPTION...: 184540 MJP-5

LABORATORY I.D...: 960507-0005
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| EST 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) | 27 | 0 | % Recovery | 25-121% QC LIMITS | | |
| Phenol-d6 (Surrogate) | 115 | 0 | % Recovery | 24-113% QC LIMITS | | |
| Nitrobenzene-d5 (Surrogate) | 111 | 0 | % Recovery | 23-120% QC LIMITS | | |
| 2-Fluorobiphenyl (Surrogate) | 120 | 0 | % Recovery | 30-115% QC LIMITS | | |

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



[illegible]

CORE LABORATORIES

# LABORATORY TESTS RESULTS

03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184540 MJP-5
DATE SAMPLED.....: 02/16/96
TIME SAMPLED.....: 16:15
WORK DESCRIPTION...: 184540 MJP-5

LABORATORY I.D...: 960507-0005
DATE RECEIVED....: 02/19/96
TIME RECEIVED....: 09:45
REMARKS.....: SAMPLED BY D.H.

| TEST DESCRIPTION | FINAL RESULT | LIMITS/*DILUTION | UNITS OF MEASURE | TEST METHOD | DATE | TECHN |
|---|---|---|---|---|---|---|
| 2,4,6-Tribromophenol(Surrogate) | 20 | 0 | % Recovery | 19-122% QC LIMITS | | |
| Terphenyl-d14 (Surrogate) | 108 | 0 | % Recovery | 18-137% QC LIMITS | | |
| Extraction - PCB (Oil) | Completed | | | EPA 600/4-81/045 | 02/20/96 | WEB |
| Extraction - Semivolatiles (BNA) | Completed | | | EPA SW-846 3580 | 02/23/96 | WEB |
| Arsenic (As), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Cadmium (Cd), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Chromium (Cr), total | <5 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Lead (Pb), total | 81 | 5 | mg/Kg | EPA SW-846 6010A | 02/29/96 | GCC |
| Total Organic Halogens | <150 | 150 | ppm | EPA SW-846 9076 | 02/27/96 | EBS |
| Polychlorinated Biphenyls in Oils | | *10 | | EPA SW-846 8080 | 02/26/96 | JEM |
| Aroclor-1016 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1221 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1232 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1242 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1248 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1254 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1260 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Aroclor-1268 | <10 | 10 | mg/kg | EPA SW-846 8080 | | |
| Mercury (Hg), total | 0.19 | 0.09 | mg/kg | EPA SW-846 7471 | 02/28/96 | EBS |
| Metals Digest | Completed | | | EPA SW-846 3051 | 02/22/96 | SLW |

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



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CORE LABORATORIES

# QUALITY ASSURANCE REPORT
03/05/96

OB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

| ANALYSIS | | | | DUPLICATES | | REFERENCE STANDARDS | | MATRIX SPIKES | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NALYSIS 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 |
| ARAMETER:Total Organic Halogens<br>EPORTING LIMIT/DF: 15 UNITS:ppm | | | | DATE/TIME ANALYZED:02/27/96 08:00<br>METHOD REFERENCE :EPA SW-846 9076 | | | | QC BATCH NUMBER:101871<br>TECHNICIAN:EBS | | |
| LANK | MB | 386.25.9 | <15 | | | | | | | |
| TANDARD | RS | 507.4.23 | 477 | | | 490 | 97 | | | |
| PIKE | MS | 960507-1 | 1557 | | | | | 470 | 1000 | 109 |
| UPLICATE | MD | 960507-1 | 470 | 500 | 6 | | | | | |
| ARAMETER:Mercury (Hg), total<br>EPORTING LIMIT/DF: UNITS:mg/kg | | | | DATE/TIME ANALYZED:02/28/96 08:00<br>METHOD REFERENCE :EPA SW-846 7471 | | | | QC BATCH NUMBER:101956<br>TECHNICIAN:EBS | | |
| LANK | MB | DI H2O | <0.09 | | | | | | | |
| TANDARD | RS | 507.5.2 | 0.018 | | | 0.020 | 90 | | | |
| PIKE | MS | 960582-1 | 2.03 | | | | | <0.09 | 1.85 | 110 |
| PIKE | MS | 960496-1 | 1.11 | | | | | 0.13 | 0.98 | 100 |
| UPLICATE | MD | 960582-1 | <0.09 | <0.09 | 0.00 | | | | | |
| ARAMETER:Arsenic (As), total<br>EPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:02/29/96 16:13<br>METHOD REFERENCE : SW-846 6010A | | | | QC BATCH NUMBER:102154<br>TECHNICIAN:GCC | | |
| LANK | MB | 3051 | <0.05 | | | | | | | |
| LANK | MB | 3050 | <0.05 | | | | | | | |
| TANDARD | CCV | 1013C | 4.98 | | | 5.00 | 100 | | | |
| TANDARD | ICV | Q1095 | 0.95 | | | 1.00 | 95 | | | |
| PIKE | MS | 960507-001 | 0.87 | | | | | <0.05 | 1.00 | 87 |
| PIKE | MS | 960483-001 | 0.94 | | | | | <0.05 | 1.00 | 94 |
| UPLICATE | MD | 960483-001 | <0.05 | <0.05 | NC | | | | | |
| UPLICATE | MD | 960507-001 | <0.05 | <0.05 | NC | | | | | |
| ARAMETER:Cadmium (Cd), total<br>EPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:02/29/96 16:13<br>METHOD REFERENCE : SW-846 6010A | | | | QC BATCH NUMBER:102156<br>TECHNICIAN:GCC | | |
| LANK | MB | 3051 | <0.05 | | | | | | | |
| LANK | MB | 3050 | <0.05 | | | | | | | |
| TANDARD | CCV | 1013C | 4.98 | | | 5.00 | 100 | | | |
| TANDARD | ICV | 1013C | 1.00 | | | 1.00 | 100 | | | |
| PIKE | MS | 960507-001 | 0.89 | | | | | <0.05 | 1.00 | 89 |
| PIKE | MS | 960483-001 | 0.93 | | | | | <0.05 | 1.00 | 93 |
| UPLICATE | MD | 960483-001 | <0.05 | <0.05 | NC | | | | | |
| UPLICATE | MD | 960507-001 | <0.05 | <0.05 | NC | | | | | |
| ARAMETER:Chromium (Cr), total<br>EPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:02/29/96 16:13<br>METHOD REFERENCE : SW-846 6010A | | | | QC BATCH NUMBER:102157<br>TECHNICIAN:GCC | | |
| LANK | MB | 3051 | <0.05 | | | | | | | |
| LANK | MB | 3050 | <0.05 | | | | | | | |
| TANDARD | CCV | 1013C | 5.05 | | | 5.00 | 101 | | | |
| TANDARD | ICV | 1013C | 1.02 | | | 1.00 | 102 | | | |
| PIKE | MS | 960507-001 | 0.95 | | | | | <0.05 | 1.00 | 95 |

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 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:Chromium (Cr), total<br>REPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:02/29/96 16:13<br>METHOD REFERENCE : SW-846 6010A | | | | | QC BATCH NUMBER:102157<br>TECHNICIAN:GCC | |
| SPIKE | MS | 960483-001 | 0.97 | | | | | <0.05 | 1.00 | 97 |
| DUPLICATE | MD | 960483-001 | <0.05 | <0.05 | NC | | | | | |
| DUPLICATE | MD | 960507-001 | <0.05 | <0.05 | NC | | | | | |
| PARAMETER:Lead (Pb), total<br>REPORTING LIMIT/DF: 0.05 UNITS:mg/L | | | | DATE/TIME ANALYZED:02/29/96 16:13<br>METHOD REFERENCE : SW-846 6010A | | | | | QC BATCH NUMBER:102158<br>TECHNICIAN:GCC | |
| BLANK | MB | 3051 | <0.05 | | | | | | | |
| BLANK | MB | 3050 | <0.05 | | | | | | | |
| STANDARD | CCV | 1013C | 5.09 | | | 5.00 | 102 | | | |
| STANDARD | ICV | 1013C | 1.03 | | | 1.00 | 103 | | | |
| SPIKE | MS | 960507-001 | 1.04 | | | | | 0.13 | 1.00 | 91 |
| SPIKE | MS | 960483-001 | 0.91 | | | | | <0.05 | 1.00 | 91 |
| DUPLICATE | MD | 960483-001 | <0.05 | <0.05 | NC | | | | | |
| DUPLICATE | MD | 960507-001 | 0.13 | 0.14 | 0.01 | | | | | |

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# QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CBS IN OIL/WASTE DATE ANALYZED: 02/21/96 TIME ANALYZED: 20:59 METHOD: EPA SW-846 8080 QC NUMBER:101591

## BLANKS

| EST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| roclor-1016 | MB | 022096 | 1 | <1 | 1 | mg/kg |
| roclor-1260 | MB | 022096 | 1 | <1 | 1 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/21/96 TIME ANALYZED: 20:59 METHOD: EPA SW-846 8080 QC NUMBER:101591

## 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 | B539.01.14 | 1 | 980 | 1000 | 98 | 1 | mg/kg |
| Aroclor-1260 | CCV | B539.01.14 | 1 | 1010 | 1000 | 101 | 1 | mg/kg |
| Tetrachloro-m-Xylene | SS | 455.100.22 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |
| Decachlorobiphenyl | SS | 455.100.22 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |

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## QUALITY ASSURANCE REPORT
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JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/21/96 TIME ANALYZED: 20:59 METHOD: EPA SW-846 8080 QC NUMBER:101591

### 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 | 960463-011 | 1 | 6.5 | 0 | 10.0 | 65 | 1 | mg/kg |
| Aroclor-1260 | MS | 960463-011 | 1 | 6.9 | 0 | 10.0 | 69 | 1 | mg/kg |
| Tetrachloro-m-Xylene | SS | 960463-011 | 1 | 67 | 0 | 100 | 67 | 0.03 | mg/kg |
| | SS | 960504-001 | 1 | 80 | 0 | 100 | 80 | 0.03 | mg/kg |
| | SS | 960507-004 | 1 | 71 | 0 | 100 | 71 | 0.03 | mg/kg |
| Decachlorobiphenyl | SS | 960463-011 | 1 | 79 | 0 | 100 | 79 | 0.03 | mg/kg |
| | SS | 960504-001 | 1 | 79 | 0 | 100 | 79 | 0.03 | mg/kg |
| | SS | 960507-004 | 1 | 84 | 0 | 100 | 84 | 0.03 | mg/kg |

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JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/21/96 TIME ANALYZED: 20:59 METHOD: EPA SW-846 8080 QC NUMBER:101591

## 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 | 960463-011 | 1 | 6.5 | 6.6 | 2 | 1 | mg/kg |
| Aroclor-1260 | MSD | 960463-011 | 1 | 6.9 | 6.5 | 6 | 1 | mg/kg |

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# QUALITY ASSURANCE REPORT
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JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/23/96 TIME ANALYZED: 20:52 METHOD: EPA SW-846 8080 QC NUMBER:101754

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Aroclor-1016 | MB | 022296 | 1 | <1 | 1 | mg/kg |
| Aroclor-1260 | MB | 022296 | 1 | <1 | 1 | mg/kg |

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# QUALITY ASSURANCE REPORT
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JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/23/96 TIME ANALYZED: 20:52 METHOD: EPA SW-846 8080 QC NUMBER:101754

## REFERENCE STANDARDS

| TEST DESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | TRUE VALUE | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| roclor-1016 | CCV | 8539.01.14 | 1 | 1130 | 1000 | 113 | 1 | mg/kg |
| roclor-1260 | CCV | 8539.01.14 | 1 | 1120 | 1000 | 112 | 1 | mg/kg |
| etrachloro-m-Xylene | SS | 8539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |
| ecachlorobiphenyl | SS | 8539.02.14 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |

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# QUALITY ASSURANCE REPORT
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JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/23/96 TIME ANALYZED: 20:52 METHOD: EPA SW-846 8080 QC NUMBER:101754

## 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 |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-Xylene | SS | 960507-002 | 1 | 83 | 0 | 100 | 83 | 0.03 | mg/kg |
| | SS | 960507-003 | 1 | 96 | 0 | 100 | 96 | 0.03 | mg/kg |
| | SS | 960507-004 | 1 | 92 | 0 | 100 | 92 | 0.03 | mg/kg |
| Decachlorobiphenyl | SS | 960507-002 | 1 | 107 | 0 | 100 | 107 | 0.03 | mg/kg |
| | SS | 960507-003 | 1 | 96 | 0 | 100 | 96 | 0.03 | mg/kg |
| | SS | 960504-004 | 1 | 92 | 0 | 100 | 92 | 0.03 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/26/96 TIME ANALYZED: 12:47 METHOD: EPA SW-846 8080 QC NUMBER:101790

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Aroclor-1016 | MB | 022196 | 1 | <1 | 1 | mg/kg |
| Aroclor-1260 | MB | 022196 | 1 | <1 | 1 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/05/96

OB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CBS IN OIL/WASTE DATE ANALYZED: 02/26/96 TIME ANALYZED: 12:47 METHOD: EPA SW-846 8080 QC NUMBER:101790

## REFERENCE STANDARDS

| EST ESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | TRUE VALUE | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|
| roclor-1016 | CCV | 8539.01.14 | 1 | 1100 | 1000 | 110 | 1 | mg/kg |
| roclor-1260 | CCV | 8539.01.14 | 1 | 1080 | 1000 | 108 | 1 | mg/kg |
| etrachloro-m-Xylene | SS | 8539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |
| ecachlorobiphenyl | SS | 8539.02.07 | 1 | 0.1 | 0.1 | 100 | 0.03 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST MEYER

PCBS IN OIL/WASTE DATE ANALYZED: 02/26/96 TIME ANALYZED: 12:47 METHOD: EPA SW-846 8080 QC NUMBER:101790

## 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 |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-Xylene | SS | 960507-005 | 1 | 71 | 0 | 100 | 71 | 0.03 | mg/kg |
| Decachlorobiphenyl | SS | 960507-005 | 1 | 99 | 0 | 100 | 99 | 0.03 | mg/kg |

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# QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

8270 by 3580 DATE ANALYZED: 02/26/96 TIME ANALYZED: 14:24 METHOD: EPA SW-846 8270B QC NUMBER:101804

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Acenaphthene | MB | 022396 | 1 | <10 | 10 | ppm |
| 4-Chloro-3-methylphenol | MB | 022396 | 1 | <20 | 20 | ppm |
| 2-Chlorophenol | MB | 022396 | 1 | <10 | 10 | ppm |
| 1,4-Dichlorobenzene | MB | 022396 | 1 | <10 | 10 | ppm |
| 2,4-Dinitrotoluene | MB | 022396 | 1 | <10 | 10 | ppm |
| 4-Nitrophenol | MB | 022396 | 1 | <20 | 20 | ppm |
| N-Nitrosodi-n-propylamine | MB | 022396 | 1 | <10 | 10 | ppm |
| Pentachlorophenol | MB | 022396 | 1 | <20 | 20 | ppm |
| Phenol | MB | 022396 | 1 | <10 | 10 | ppm |
| Pyrene | MB | 022396 | 1 | <10 | 10 | ppm |
| 1,2,4-Trichlorobenzene | MB | 022396 | 1 | <10 | 10 | ppm |

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# QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

8270 by 3580 DATE ANALYZED: 02/26/96 TIME ANALYZED: 14:24 METHOD: EPA SW-846 8270B QC NUMBER:101804

## 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 | 022396-00 | 1 | 290 | 0 | 250 | 116 | 10 | ppm |
| 4-Chloro-3-methylphenol | BS | 022396-00 | 1 | 500 | 0 | 500 | 100 | 20 | ppm |
| 2-Chlorophenol | BS | 022396-00 | 1 | 490 | 0 | 500 | 98 | 10 | ppm |
| 1,4-Dichlorobenzene | BS | 022396-00 | 1 | 270 | 0 | 250 | 108 | 10 | ppm |
| 2,4-Dinitrotoluene | BS | 022396-00 | 1 | 190 | 0 | 250 | 76 | 10 | ppm |
| 4-Nitrophenol | BS | 022396-00 | 1 | 370 | 0 | 500 | 74 | 20 | ppm |
| N-Nitrosodi-n-propylamine | BS | 022396-00 | 1 | 290 | 0 | 250 | 116 | 10 | ppm |
| Pentachlorophenol | BS | 022396-00 | 1 | 370 | 0 | 500 | 74 | 20 | ppm |
| Phenol | BS | 022396-00 | 1 | 550 | 0 | 500 | 110 | 10 | ppm |
| Pyrene | BS | 022396-00 | 1 | 270 | 0 | 250 | 108 | 10 | ppm |
| 1,2,4-Trichlorobenzene | BS | 022396-00 | 1 | 250 | 0 | 250 | 100 | 10 | ppm |

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# QUALITY ASSURANCE REPORT
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/01/96 TIME ANALYZED: 20:05 METHOD: EPA SW-846 8080 QC NUMBER:102334

## BLANKS

| TEST DESCRIPTION | ANALY SUB-TYPE | ANALYSIS I.D. | DILUTION FACTOR | ANALYZED VALUE | DETECTION LIMIT | UNITS OF MEASURE |
|---|---|---|---|---|---|---|
| Aroclor-1016 | MB | 022996 | 1 | <1 | 1 | mg/kg |
| Aroclor-1260 | MB | 022996 | 1 | <1 | 1 | mg/kg |

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# QUALITY ASSURANCE REPORT
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JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN OIL/WASTE DATE ANALYZED: 03/01/96 TIME ANALYZED: 20:05 METHOD: EPA SW-846 8080 QC NUMBER:102334

## 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 | B539.01.14 | 1 | 980 | 1000 | 98 | 1 | mg/kg |
| Aroclor-1260 | CCV | B539.01.14 | 1 | 1030 | 1000 | 103 | 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
03/05/96

JOB NUMBER: 960507 CUSTOMER: TNRCC ATTN: ERNEST HEYER

'CBS IN OIL/WASTE DATE ANALYZED: 03/01/96 TIME ANALYZED: 20:05 METHOD: EPA SW-846 8080 QC NUMBER:102334

## MATRIX SPIKES

| EST ESCRIPTION | ANALYSIS SUB-TYPE | ANALYSIS I. D. | DILUTION FACTOR | ANALYZED VALUE | ORIGINAL VALUE | SPIKE ADDED | PERCENT RECOVERY | DETECTION LIMITS | UNITS OF MEASURE |
|---|---|---|---|---|---|---|---|---|---|
| etrachloro-m-Xylene | SS | 960507-001 | 1 | 55 | 0 | 100 | 55 | 0.03 | mg/kg |
| | SS | 960579-007 | 1 | 61 | 0 | 100 | 61 | 0.03 | mg/kg |
| | SS | 960579-008 | 1 | 54 | 0 | 100 | 54 | 0.03 | mg/kg |
| | SS | 960579-009 | 1 | 70 | 0 | 100 | 70 | 0.03 | mg/kg |
| | SS | 960579-010 | 1 | 72 | 0 | 100 | 72 | 0.03 | mg/kg |
| | SS | 960579-011 | 1 | 77 | 0 | 100 | 77 | 0.03 | mg/kg |
| | SS | 960579-012 | 1 | 62 | 0 | 100 | 62 | 0.03 | mg/kg |
| | SS | 960570-001 | 1 | 62 | 0 | 100 | 62 | 0.03 | mg/kg |
| ecachlorobiphenyl | SS | 960579-001 | 1 | 124 | 0 | 100 | 124 | 0.03 | mg/kg |
| | SS | 960507-001 | 1 | 102 | 0 | 100 | 102 | 0.03 | mg/kg |
| | SS | 960579-007 | 1 | 96 | 0 | 100 | 96 | 0.03 | mg/kg |
| | SS | 960579-008 | 1 | 89 | 0 | 100 | 89 | 0.03 | mg/kg |
| | SS | 960579-009 | 1 | 94 | 0 | 100 | 94 | 0.03 | mg/kg |
| | SS | 960579-010 | 1 | 99 | 0 | 100 | 99 | 0.03 | mg/kg |
| | SS | 960579-011 | 1 | 100 | 0 | 100 | 100 | 0.03 | mg/kg |
| | SS | 960579-012 | 1 | 92 | 0 | 100 | 92 | 0.03 | mg/kg |
| | SS | 960570-001 | 1 | 125 | 0 | 100 | 125 | 0.03 | mg/kg |

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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***

MB = Method Blank
RB = Reagent Blank
SB = Storage Blank
ICB = Initial Calib. Blank
CCB = Continuing Calib. Blank

**REFERENCE STANDARDS**

RS = Reference Standard
CC = Continuing Calib.
LCS = Laboratory Control Std.
ICV = Initial Calib. Verification
CCV = Cont. Calib. Verification

**SPIKES AND DUPLICATES**

MS = Matrix Spike, BS = Blank Spike
SS = Surrogate Spike, MD = Matrix Dup.
PDS= Post Digested Spike
MSD= Matrix Spike Duplicate
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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