# Appendix D

# *Chain-of-Custody and Laboratory Data Sheets*

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 10, 1996
LP #: 13194

Everett Ferguson
McLaren/Hart, Inc.
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Ferguson:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 22, 1995, for the project *Mobil Jalk Fee*.

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips
Project Coordinator

Enclosure: EDD

Master Builders Technologies
M[illegible] Environmental L[illegible]atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

1/5

# CHAIN OF CUSTODY RECORD 11217

E SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To: 1
Address:

Project Name: MOBIL JACK FEE
Project Number: 03.0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5,7,712-A
Storage Freezer ID:

Sampler Name: MIKE WARRINER
Signature: [signature]
PPE Worn in Field: LEVEL D

Relinquished By: [signature] Mike WARRINER — Date/Time: 12/21/95 1747
Received By or Method of Shipment/Shipment I.D.: Pedro Furlonetto — Date/Time: 12-21-1745

Relinquished By: EXPRESS IT — Date/Time: 12/22/95 [illegible]
Received By or Method of Shipment/Shipment I.D.: Cindy N. — Date/Time: 12/22/95 0900

Relinquished By: — Date/Time:
Received By or Method of Shipment/Shipment I.D. — Date/Time:

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8

Write in Analysis Method →

## SAMPLE INFORMATION

| FOR LABORATORY USE ONLY Lab ID | Sample ID Number | Date | Time | Description: Locator | Description: Depth | Container(s): # | Container(s): Type | Matrix Type | Pres. Type | TAT | 8240 | 8015m FS | 8020 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 13194-001 | MH-4 1 | 12/21 | 830A | MH-4 | 5 ft | 2 | brass | soil | None | 2 wk | | X | X | |
| 2 002 | MH-4-2 | 12/21 | 840 | ↑ | 10 ft | ↑ | ↑ | ↑ | ↑ | ↑ | | X | X | |
| 3 003 | MH-4-3 | 12/21 | 845 | ↑ | 15 ft | ↑ | ↑ | ↑ | ↑ | ↑ | | X | X | ← HOLD |
| 4 004 | MH-4-4 | ↑ | 900 | ↓ | 20 ft | ↓ | ↓ | ↓ | ↓ | ↓ | X | | | |
| 5 005 | MH-4-5 | ↑ | 930 | ↓ | 30 ft | ↓ | ↓ | ↓ | ↓ | ↓ | X | | | |
| 6 006 | MH-4-6 | ↓ | 1005 | MH-4 | 40 ft | ↓ | ↓ | ↓ | ↓ | ↓ | X | | | |
| 7 007 | MH-5-1 | ↓ | 1025 | MH-5 | 5 ft | ↓ | ↓ | ↓ | ↓ | ↓ | | X | X | |
| 8 008 | MH-5-2 | ↓ | 1035 | MH-5 | 10 ft | ↓ | ↓ | ↓ | ↓ | ↓ | | X | X | |
| 9 009 | MH-5-3 | ↓ | 1045 | MH-5 | 15 ft | ↓ | ↓ | ↓ | ↓ | ↓ | | X | X | ← HOLD |
| 10 010 | MH-6-1 | 12/21 | 1100 | MH-6 | 5 ft | 2 | BRASS | SOIL | NONE | 2 WK | | X | X | |

Special Instructions/Comments:

Container Types:
B=Brass Tube
G=Glass Jar
O=Other
A=1 Liter Amber
C=Cassette
P=Polyethylene
V=Voa Vial

TAT (Analytical Turn Around Time)
1 = 24 hours
2 = 48 hours
3 = 1 week
4 = 2 weeks
0 = Other

FOR LABORATORY USE ONLY Sample Condition Upon Receipt: [illegible]

SEND DOCUMENTATION AND RESULTS TO (Check one):
☒ Project Manager/Office: EVERETT FERGUSON
☐ Client Name:
Company:
Address:
Phone: FAX:

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

MBT Environmental Laboratories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

2/5

# CHAIN OF CUSTODY RECORD 11225

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To:
Address:

Project Name: MOBIL JALK FEE
Project Number: 03.0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5, 8, 7, 12-A
Storage Freezer ID:

Sampler Name: MIKE WARRINER
Signature: [signature]
PPE Worn in Field: LEVEL D

Relinquished By: Mike Warriner [signature] Date/Time: 12/21/95 1747
Received By or Method of Shipment/Shipment I.D.: Pedro Furbuetts Date/Time: 12-21 1745

Relinquished By: EXPRESS IT Date/Time: 12/22/95 [illegible]
Received By or Method of Shipment/Shipment I.D.: Cindy N. Date/Time: 12/22/95 [illegible]

Relinquished By: Date/Time:
Received By or Method of Shipment/Shipment I.D.: Date/Time:

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8

Write in Analysis Method →

## SAMPLE INFORMATION

| FOR LABORATORY USE ONLY Lab ID | Sample ID Number | Date | Time | Description: Locator | Description: Depth | Container(s): # | Container(s): Type | Matrix Type | Pres. Type | TAT | 8240 | 8015M (FS) | 8020 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 13194-011 | MH-6-2 | 12/21 | 1105 | MH-6 | 10 ft | 2 | BRASS | SOIL | — | 2wk | | X | X | |
| 2 012 | MH-6-3 | ↑ | 1115 | MH-6 | 15 ft | | ↑ | ↑ | — | ↑ | | X | X | ← HOLD |
| 3 013 | MH-2-1 | | 1130 | MH-2 | 5 ft | | ↓ | ↓ | — | | X | X | | |
| 4 014 | MH-2-2 | | 1135 | MH-2 | 10 ft | | | | — | | X | X | | |
| 5 015 | MH-2-3 | | 1145 | MH-2 | 15 ft | | BRASS | SOIL | — | ↓ | X | X | | ← HOLD |
| 6 016 | RB-1 | | 1155 | RINSE BLANK 1 | — | 2 | 40 ml VOA | water | — | 2wk | X | | | |
| 7 017 | RB-2 | | 1155 | RINSE BLANK 2 | — | 1 | 1 L amber | water | — | 2wk | | X | | |
| 8 018 | MH-7-1 | | 1305 | MH-7 | 5 ft | 2 | BRASS | SOIL | — | 2wk | X | X | | |
| 9 019 | MH-7-2 | | 1310 | MH-7 | 10 ft | 2 | BRASS | SOIL | — | 2wk | X | X | | |
| 10 020 | MH-7-3 | 12 ↓ | 1315 | MH-7 | 15 ft | 2 | BRASS | SOIL | — | 2wk | X | X | | ← HOLD |
| 11 021 | RB-3 | 12/21 | 1155 | RINSE BLANK | — | 2 | 40 ml VOA | HCL | | 2wk | | | ☒ | |

Special Instructions/Comments:

11 SAMPLES ON SHEET

Container Types:
B=Brass Tube
G=Glass Jar
O=Other
A=1 Liter Amber
C=Cassette
P=Polyethylene
V=Voa Vial

TAT (Analytical Turn Around Time)
1 = 24 hours
2 = 48 hours
3 = 1 week
4 = 2 weeks
0 = Other

FOR LABORATORY USE ONLY Sample Condition Upon Receipt:

[illegible]

SEND DOCUMENTATION AND RESULTS TO (Check one):
☒ Project Manager/Office: EVERETT FERGUSON
☐ Client Name:
Company: MCLAREN HART
Address: IRVINE OFFICE
Phone: 714 752 3213 FAX:

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
6240
6270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

Master Builders Technologies
M[illegible] Environmental L[illegible]atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

SHIP TO. 3/5

# CHAIN OF CUSTODY RECORD 11223

E SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To: SEE ABOVE
Address:

Project Name: MOBIL JALK FEE
Project Number: 03.060144.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5, 8, 7, 12-A
Storage Freezer ID:

Sampler Name: MIKE WARRINER
Signature: [signature]
PPE Worn in Field: LEVEL D

Relinquished By: MIKE WARRINER [signature] Date/Time: 12/21 1747
Received By or Method of Shipment/Shipment I.D.: Pedro Furlanetto Date/Time: 12-21 1745

Relinquished By: EXPRESS IT Date/Time: 12/22/95 [illegible]
Received By or Method of Shipment/Shipment I.D.: Cindy N. Date/Time: 12/22/95 [illegible]

Relinquished By: Date/Time:
Received By or Method of Shipment/Shipment I.D.: Date/Time:

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8

Write in Analysis Method →

## SAMPLE INFORMATION

| FOR LABORATORY USE ONLY Lab ID | Sample ID Number | Date | Time | Description: Locator | Description: Depth | Container(s): # | Container(s): Type | Matrix Type | Pres. Type | TAT | 8240 | 8015 m (FS) | 8020 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 13194-022 | MH-7-4 | 12/21 | 1320 | MH-7 | 1 ft | 2 | BRASS | SOIL | — | 2WK | X | X | | ← HOLD |
| 2 023 | MH-8-1 | ↑ | 1345 | MH-8 | 1 ft | ↑ | ↑ | ↑ | ↑ | ↑ | X | X | | |
| 3 024 | MH-8-2 | | 1350 | MH-8 | 5 ft | | | | | | X | X | | |
| 4 025 | MH-8-3 | | 1355 | MH-8 | 10 ft | | | | | | X | X | | |
| 5 026 | MH-8-4 | | 1405 | MH-8 | 15 ft | | | | | | X | X | | ← HOLD |
| 6 027 | MH-9-1 | | 1410 | MH-9 | 1 ft | | | | | | X | X | | |
| 7 028 | MH-9-2 | | 1415 | MH-9 | 5 ft | | | | | | X | X | | |
| 8 029 | MH-9-3 | ↓ | 1420 | MH-9 | 10 ft | | | | | | X | X | | |
| 9 030 | MH-9-4 | | 1430 | MH-9 | 15 ft | ↓ | ↓ | ↓ | ↓ | ↓ | X | X | | ← HOLD |
| 10 031 | MH-10-1 | 12/21 | 1450 | MH-10 | 1 ft | 2 | BRASS | SOIL | — | 2wk | X | X | | |

Special Instructions/Comments:

Container Types:
B=Brass Tube
G=Glass Jar
O=Other _____
A=1 Liter Amber
C=Cassette
P=Polyethylene
V=Voa Vial

TAT (Analytical Turn Around Time)
1 = 24 hours 2 = 48 hours
3 = 1 week 4 = 2 weeks
0 = Other _____

FOR LABORATORY USE ONLY Sample Condition Upon Receipt:
TEMP [illegible] [illegible] TOTAL [illegible]

SEND DOCUMENTATION AND RESULTS TO (Check one):
☒ Project Manager/Office: EVERETT ~~[illegible]~~ FERGUSON
☐ Client Name:
Company: McLAREN/HART
Address: IRVINE OFFICE
Phone: FAX:

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity
* Specify Total or Dissolved

MBT Environmental Laboratories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

4/5

# CHAIN OF CUSTODY RECORD 11224

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To:
Address:

Project Name: MOBIL JALK FEE
Project Number: 03-0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5, 8, 7, 12-A
Storage Freezer ID:

Sampler Name: Mike Warriner
Signature: [signature]
PPE Worn in Field: LEVEL D

Relinquished By: Mike Warriner — Date/Time: 12/21/95 1747 — Received By or Method of Shipment/Shipment I.D.: Pedro FURLANETTO — Date/Time: 12-21 1747
Relinquished By: EXPRESS IT — Date/Time: 12/22/95 — Received By or Method of Shipment/Shipment I.D.: [signature] — Date/Time: 12/22/95 0900
Relinquished By: — Date/Time: — Received By or Method of Shipment/Shipment I.D.: — Date/Time:

Sample Disposal (check one): [X] Laboratory Standard [ ] Other

Level of QC (see Side 2): [X] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8

Write in Analysis Method →

## SAMPLE INFORMATION

| FOR LABORATORY USE ONLY Lab ID | Sample ID Number | Date | Time | Description: Locator | Description: Depth | Container(s): # | Container(s): Type | Matrix Type | Pres. Type | TAT | 8240 | 8015M (FS) | 8010 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 13194-032 | MH-10-2 | 12/21 | 1500 | MH-10 | 5 ft | 2 | BRASS | SOIL | — | 2WK | X | X | | | | | | | | |
| 2 033 | MH-10-3 | 12/21 | 1505 | MH-10 | 10 ft | ↑ | ↑ | ↑ | ↑ | ↑ | X | X | | HW | | | | | | |
| 3 034 | MH-10-4 | 12/21 | 1510 | MH-10 | 15 ft | | | | | | X | X | | | | | | | | |
| 4 035 | MH-10-5 | 12/21 | 1530 | MH-10 | 20 ft | | | | | | X | X | | | | | | | | |
| 5 036 | MH-10-6 | ↑ | 1550 | MH-10 | 25 ft | | | | | | X | X | | | | | | | | |
| 6 037 | MH-11-1 | | 1605 | MH-11 | 1 ft | | | | | | X | X | | | | | | | | |
| 7 038 | MH-11-2 | | 1610 | MH-11 | 5 ft | | | | | | X | X | | | | | | | | |
| 8 039 | MH-11-3 | | 1615 | MH-11 | 10 ft | | | | | | X | X | | | | | | | | |
| 9 040 | MH-11-4 | ↓ | 1625 | MH-11 | 15 ft | ↓ | ↓ | ↓ | ↓ | ↓ | X | X | | | | | | | | |
| 10 041 | MH-11-5 | 12/21 | 1435 | MH-11 | 20 ft | 2 | BRASS | SOIL | — | 2WK | X | X | | | | | | | | |

HOLD

Special Instructions/Comments: ANALYZE MH-10-1,2,3 + HOLD MH-10-4,5,6

Container Types: B=Brass Tube, G=Glass Jar, O=Other ____; A=1 Liter Amber, C=Cassette, P=Polyethylene, V=Voa Vial

TAT (Analytical Turn Around Time): 1 = 24 hours, 2 = 48 hours, 3 = 1 week, 4 = 2 weeks, 0 = Other ____

FOR LABORATORY USE ONLY Sample Condition Upon Receipt: TEMP 2°C

SEND DOCUMENTATION AND RESULTS TO (Check one):
[X] Project Manager/Office: EVERETT FERGUSON
[ ] Client Name:
Company: McLAREN/HART
Address: IRVINE OFFICE
Phone: ____ FAX: ____

Common Analytical Methods: 413.1, 413.2 Long Method, 413.2 Short Method, 418.1 Long Method, 418.1 Short Method, 420.1, 502.2, 503E, 503.1, 524.2, 601, 602, 604, 608, 610, 624, 625, 8010, 8015, 8015 Mod., 8020, 8021, 8040, 8080, 8100, 8150, 8240, 8270, 8310, Acidity, Alkalinity, BTEX, Chloride, CLP (see Side 2), COD, Color, Conductivity, Corrosivity, Cyanide, Flashpoint, Fluoride, General Mineral, Hex. Chromium, Ion Balance, Metals (write specific metal & method #)*, Metals 6010*, Metals PP*, Metals Title 22: TTLC Level, STLC Level (see Side 2), Nitrate, Nitrite, Odor, Org. Lead, Org. Mercury, Percent Moisture, Percent Solid, Perchlorate, pH, Phosphates, Phosphorus, Sulfate, Sulfides, TCLP: VOA, Semivoa, Metals, Pesticide, TDS, Total Hardness, Total Solids, TPH/D, TPH/G, TSS, Turbidity

* Specify Total or Dissolved

5/5

Lockheed Missiles & Space Company, Inc.
1111 LOCKHEED WAY, D/47-10 B/101, SUNNYVALE, CA 94089-3504

Number: AA 973

# Chain-Of-Custody Record & Analysis Request

Sampler Signature: [signature]
Field Notebook Number: MIKE WARRINER
Project Number: 03.0601414.002
Project Name: MOBIL JACK FEE
LIMS Number: LP#13194
Sample Number(s):

| SAMPLE ID | Sample Type: GRAB | Sample Type: COMPOSITE | VOLUME (ml) | Matrix: WATER | Matrix: SOIL | Matrix: AIR | Matrix: SLUDGE | Matrix: OTHER | Method Preserved: HC HEADSPACE | Method Preserved: $Na_2S_2O_3$ | Method Preserved: NaOH | Method Preserved: $Na_2S_2O_3$ ($H_2O$), ($H_2SO_4$) | Method Preserved: HCl | Method Preserved: $HNO_3$ | Method Preserved: NONE | Method Preserved: OTHER | Sampling: DATE | Sampling: TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MH-11-6 | | | | | X | | MH-11 @ 25 ft | | | | | | | | X | | 12/21 | 1645 |
| TRIP BLANK | | | | X | | | | | | | | | | | | | 12/21 | 1645 |

Analysis Request

| SAMPLE ID | pH (846-9040) | Conductivity (846-9050) | Normality (600-310.1),(600-305.2) | Cr + 6 (846-7196) | Trmet (846-7000) | Tmet (846-6010) prep. 3010,3030,3050 | Rmet (846-6010) prep. APH STD MTH 302B | Na (846-7000FL) | Cl (600-300.0) | CN (846-9010),(LMSC-CN) | TOC (846-9060) | TOX (846-9020) | Phenols (846-8040) | VOA (846-8240) | NO3 (600-300.0) | O&G (846-9070) | TPH (600-418.1) | PCB (846-8080) | Semi Volatiles (846-8270) | Other: 8240 | Other: 8015M (FS) | Other: 8020 | Turnaround Time: PRIORITY ONE SERVICE (24 HR) | Turnaround Time: EXPEDITED SERVICE (2-4 DAYS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MH-11-6 | | | | | | 13194 | | | | – | | 042 | | | | | | | | X | X | | HOL | |
| TRIP BLANK | | | | | | | | 6 | | | | 043 | | | | | | | | X | | X | | |

Temp 3.C, Samples Intact
Location: 4-5, 8, 7, 12-A

Rush Authorization Signature:

| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
|---|---|---|---|---|---|
| Mike Warriner, [signature] | 12/21/95 | 1747 | [signature] | 12-21 | 1745 |
| EXPRESS IT | 12/22/95 | 0900 | Cindy N. | 12/22/95 | 0900 |
| | | | | | |
| | | | | | |

Remarks:
CALL RESULTS TO
EVERETT FERGUSON
MCLAREN/HART
IRVINE OFFICE
LEVEL 1 QC

DISTRIBUTION

LMSC 3290

# ANALYTICAL REPORT

## LABORATORY PROJECT (LP) NUMBER 13194

## MOBIL JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

| | | |
|---|---|---|
| | ARIZONA: | Hazardous Waste, #AZ0468<br>Waste Water, # AZ0468<br>Drinking Water, #AZ0468 |
| ✓ | CALIFORNIA: | Hazardous Waste, #1417<br>Waste Water, # 1417<br>Drinking Water, #1417<br>Mobile Lab, #2070 |
| | CONNECTICUT: | Waste Water, #PH0799 |
| | FLORIDA: | Environmental Water, #E87298<br>CQAPP #930105 |
| | KANSAS: | Hazardous Waste, #E-1167<br>Waste Water, #E-192<br>Drinking Water, #E-192 |
| | NEW HAMPSHIRE: | Waste Water, #253195-B<br>Drinking Water, #253195-A |
| | NEW JERSEY: | Waste Water, #44818 |
| | NEW YORK: | Hazardous Waste, #11241<br>Waste Water, #11241<br>CLP, #11241 |
| | OKLAHOMA: | Hazardous Waste, #9318<br>Waste Water, #9318 |
| | SOUTH CAROLINA: | Hazardous Waste, #87013<br>Waste Water, #87013 |
| | TENNESSEE: | Underground Storage Tank |
| | WASHINGTON: | Hazardous Waste, #C048 |
| | WISCONSIN: | Hazardous Waste, #999940920<br>Waste Water, #999940920 |
| | USACOE: | Hazardous Waste<br>Waste Water |
| | AFCEE | Hazardous Waste<br>Waste Water |

(CN13194)

MBT Environmental Laboratories

## GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8020 BTEX (Water):

The surrogate recoveries for the analytes flagged on the data sheet were beyond acceptance limits for the following samples: 13194-21, 13194-43.

EPA 8015 Modified Fuel Fingerprinting:

For EPA 8015 Modified - Fuel Fingerprinting (GC), all peaks within the C7-C32 carbon range are compared to the standard which the peaks most closely resemble. Values reported are calculated based on the total area of the peaks in the carbon range of that standard.

Abbreviations and Definitions:

| | |
|---|---|
| MB | *Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process |
| LCS | *Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method |
| MS/MSD | *Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery |
| RPD | *Relative Percent Difference* - The measurement of precision between duplicate analyses |
| BRL | *Below Reporting Limit* |
| NS | *Not Specified* |
| NA | *Not Applicable* |

(CN13194)

Flags:

Organics -

| | |
|---|---|
| J | Estimated value below the reporting limit and at or above the method detection limit. |
| B | Analyte found in the associated blank, as well as in the sample. |

Inorganics -

| | |
|---|---|
| B | Estimated value below the reporting limit and at or above the method detection limit. |

(CN13194)

# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/35535-4101
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil ( S )
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d15-0

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 10 | 1 | 12/28/95 |
| Toluene | BRL | 10 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 10 | 1 | 12/28/95 |
| 1,2-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,3-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,4-Xylene | BRL | 10 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Bromofluorobenzene | 103 | 60 - 111 |

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# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 10.0-0.0
Sample Number: MH-4-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-2/35536-4101
Date/Time Sampled: 12/21/95 08:40
Matrix: Soil ( S )
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d16-0

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 10 | 1 | 12/28/95 |
| Toluene | BRL | 10 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 10 | 1 | 12/28/95 |
| 1,2-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,3-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,4-Xylene | BRL | 10 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Bromofluorobenzene | 94 | 60 - 111 |

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# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 5.0-0.0
Sample Number: MH-5-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-7/35537-4101
Date/Time Sampled: 12/21/95 10:25
Matrix: Soil ( S )
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d17-0

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 10 | 1 | 12/28/95 |
| Toluene | BRL | 10 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 10 | 1 | 12/28/95 |
| 1,2-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,3-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,4-Xylene | BRL | 10 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Bromofluorobenzene | 88 | 60 - 111 |

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# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 10.0-0.0
Sample Number: MH-5-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-8/35538-4101
Date/Time Sampled: 12/21/95 10:35
Matrix: Soil ( S )
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d18-0

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 10 | 1 | 12/28/95 |
| Toluene | BRL | 10 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 10 | 1 | 12/28/95 |
| 1,2-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,3-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,4-Xylene | BRL | 10 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Bromofluorobenzene | 91 | 60 - 111 |

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# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 5.0-0.0
Sample Number: MH-6-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-10/35539-4101
Date/Time Sampled: 12/21/95 11:00
Matrix: Soil ( S )
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d19-0

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 10 | 1 | 12/28/95 |
| Toluene | BRL | 10 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 10 | 1 | 12/28/95 |
| 1,2-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,3-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,4-Xylene | BRL | 10 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Bromofluorobenzene | 96 | 60 - 111 |

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# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 10.0-0.0
Sample Number: MH-6-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-11/35540-4101
Date/Time Sampled: 12/21/95 11:05
Matrix: Soil ( S )
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d20-0

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 10 | 1 | 12/28/95 |
| Toluene | BRL | 10 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 10 | 1 | 12/28/95 |
| 1,2-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,3-Xylene | BRL | 10 | 1 | 12/28/95 |
| 1,4-Xylene | BRL | 10 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Bromofluorobenzene | 90 | 60 - 111 |

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# METHOD BLANK

## VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Sample ID: 12/27/95 MB/36039
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 36039-MB /4101
Matrix: Soil
Batch Number: 4879
Instrument/Column: vgc04.i/DB-WAX
Data File: 95361d34-0

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Date Analyzed |
|---|---|---|---|
| Benzene | BRL | 10 | 12/28/95 |
| Toluene | BRL | 10 | 12/28/95 |
| Ethyl benzene | BRL | 10 | 12/28/95 |
| 1,2-Xylene | BRL | 10 | 12/28/95 |
| 1,3-Xylene | BRL | 10 | 12/28/95 |
| 1,4-Xylene | BRL | 10 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Bromofluorobenzene | 101 | 60 - 111 |

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# LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

## VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 12/28/95

Lab ID: 36040-LS1 /4101
Matrix: Soil Units: ug/Kg (ppb)
Batch Number: 4879
LCSD Date Analyzed: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95361d35-0

| Analyte | (a) Sample Conc. | (b) Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0 | 250 | 250 | 99 | NA | NA | NA | 70-124 | ≤25 |
| Ethyl benzene | 0 | 250 | 250 | 99 | NA | NA | NA | 67-128 | ≤25 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

| Surrogate | (h) LCS/ LCSD Surr. Spike Conc. | (i) Sample + Surr. Spike Conc. | (j) Surr. Spike Rec % | (k) Sample Dup. + Surr. Spike Conc. | (l) Surr. Spike Dup. Rec % | Acceptance Limits |
|---|---|---|---|---|---|---|
| Bromofluorobenzene | 200 | 200 | 98 | NA | NA | 60-111 |

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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# MATRIX SPIKE/MATRIX SPIKE DUPLICATE

## VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 , 20 grams
Final Volume: 10 , 10 mL
MS Date Analyzed: 12/28/95

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/36036,36037-4101
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil (S ) Units: ug/Kg (ppb)
Batch Number: 4879
% Moisture: NA

MSD Date Analyzed: 01/03/96
Instrument/Column: vgc04.i/DB-WAX
Data File: 96003d21.0, 96003d22-

| Analyte | (a) Sample Conc. | (b) MS/ MSD Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0 | 250 | 220 | 87 | 230 | 94 | 4 | 70-124 | ≤25 |
| Ethyl benzene | 0 | 250 | 220 | 86 | 230 | 93 | 4 | 67-128 | ≤25 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

| Surrogate | (h) MS/ MSD Surr. Spike Conc. | (i) Sample + Surr. Spike Conc. | (j) Surr. Spike Rec % | (k) Sample Dup. + Surr. Spike Conc. | (l) Surr. Spike Dup. Rec % | Acceptance Limits |
|---|---|---|---|---|---|---|
| Bromofluorobenzene | 200 | 170 | 84 | 180 | 88 | 60-111 |

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Rinse Blank
Sample Number: RB-3
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-21/35675-4101
Date/Time Sampled: 12/21/95 11:56
Matrix: Water ( W )
Batch Number: 4934

Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c24-0

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 0.50 | 1 | 12/27/95 |
| Toluene | BRL | 0.50 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 0.50 | 1 | 12/27/95 |
| 1,2-Xylene | BRL | 0.50 | 1 | 12/27/95 |
| 1,3-Xylene | BRL | 0.50 | 1 | 12/27/95 |
| 1,4-Xylene | BRL | 0.50 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Orthochlorotoluene | 123 * | 80 - 120 |

Qualifier Legend:
* - Values outside QC limits

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# VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Trip Blank
Sample Number: Trip Blank
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-43/35680-4101
Date/Time Sampled: 12/21/95 16:45
Matrix: Water ( W )
Batch Number: 4934

Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c23-0

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Benzene | BRL | 0.50 | 1 | 12/27/95 |
| Toluene | BRL | 0.50 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 0.50 | 1 | 12/27/95 |
| 1,2-Xylene | BRL | 0.50 | 1 | 12/27/95 |
| 1,3-Xylene | BRL | 0.50 | 1 | 12/27/95 |
| 1,4-Xylene | BRL | 0.50 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Orthochlorotoluene | 123 * | 80 - 120 |

Qualifier Legend:
* - Values outside QC limits

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# METHOD BLANK

## VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Sample ID: 12/27/95 MB/36436
Date Prepared: NA

Lab ID: 36436-MB /4101
Matrix: Water
Batch Number: 4934
Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c17-0

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Date Analyzed |
|---|---|---|---|
| Benzene | BRL | 0.50 | 12/27/95 |
| Toluene | BRL | 0.50 | 12/27/95 |
| Ethyl benzene | BRL | 0.50 | 12/27/95 |
| 1,2-Xylene | BRL | 0.50 | 12/27/95 |
| 1,3-Xylene | BRL | 0.50 | 12/27/95 |
| 1,4-Xylene | BRL | 0.50 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| Orthochlorotoluene | 120 | 80 - 120 |

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# LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

## VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Date Prepared: NA

Lab ID: 36437-LS1 /4101
Matrix: Water Units: ug/L (ppb)
Batch Number: 4934

LCS Date Analyzed: 12/27/95

LCSD Date Analyzed: NA
Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c16-0

| Analyte | (a) Sample Conc. | (b) Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0 | 10 | 11 | 107 | NA | NA | NA | 72-134 | ≤20 |
| Ethyl benzene | 0 | 10 | 11 | 106 | NA | NA | NA | 72-128 | ≤20 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

| Surrogate | (h) LCS/ LCSD Surr. Spike Conc. | (i) Sample + Surr. Spike Conc. | (j) Surr. Spike Rec % | (k) Sample Dup. + Surr. Spike Conc. | (l) Surr. Spike Dup. Rec % | Acceptance Limits |
|---|---|---|---|---|---|---|
| Orthochlorotoluene | 4.0 | 4.4 | 110 | NA | NA | 80-120 |

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/35535-7950
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 10.0-0.0
Sample Number: MH-4-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-2/35536-7950
Date/Time Sampled: 12/21/95 08:40
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 5.0-0.0
Sample Number: MH-5-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-7/35537-7950
Date/Time Sampled: 12/21/95 10:25
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 10.0-0.0
Sample Number: MH-5-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-8/35538-7950
Date/Time Sampled: 12/21/95 10:35
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 5.0-0.0
Sample Number: MH-6-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-10/35539-7950
Date/Time Sampled: 12/21/95 11:00
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 01/02/96 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 10.0-0.0
Sample Number: MH-6-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-11/35540-7950
Date/Time Sampled: 12/21/95 11:05
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 5.0-0.0
Sample Number: MH-2-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-13/35619-7950
Date/Time Sampled: 12/21/95 1:30
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 10.0-0.0
Sample Number: MH-2-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-14/35633-7950
Date/Time Sampled: 12/21/95 11:35
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 13 | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 5.0-0.0
Sample Number: MH-7-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-18/35634-7950
Date/Time Sampled: 12/21/95 13:05
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 10.0-0.0
Sample Number: MH-7-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-19/35636-7950
Date/Time Sampled: 12/21/95 13:10
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 1.0-0.0
Sample Number: MH-8-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-23/35639-7950
Date/Time Sampled: 12/21/95 13:45
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 1600 | 500 | 50 | 01/02/96 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 5.0-0.0
Sample Number: MH-8-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-24/35653-7950
Date/Time Sampled: 12/21/95 13:50
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 1.0-0.0
Sample Number: MH-9-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-27/35659-7950
Date/Time Sampled: 12/21/95 14:10
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 85 | 10 | 1 | 01/02/96 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 5.0-0.0
Sample Number: MH-9-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-28/35660-7950
Date/Time Sampled: 12/21/95 14:15
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 1.0-0.0
Sample Number: MH-10-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-31/35663-7950
Date/Time Sampled: 12/21/95 14:50
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 5.0-0.0
Sample Number: MH-10-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-32/35665-7950
Date/Time Sampled: 12/21/95 15:00
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 10.0-0.0
Sample Number: MH-10-3
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-33/35666-7950
Date/Time Sampled: 12/21/95 15:05
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/29/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 1.0-0.0
Sample Number: MH-11-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-37/35667-7950
Date/Time Sampled: 12/21/95 16:05
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 820 | 500 | 50 | 01/02/96 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 5.0-0.0
Sample Number: MH-11-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-38/35668-7950
Date/Time Sampled: 12/21/95 16:10
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/28/95 |

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 10.0-0.0
Sample Number: MH-11-3
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-39/35669-7950
Date/Time Sampled: 12/21/95 16:15
Matrix: Soil ( S )
Batch Number: 4862-951227
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/28/95 |

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# METHOD BLANK

## EPA 8015 MODIFIED
## FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Sample ID: 12/27/95 MB/35920
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

Lab ID: 35920-MB /7950
Matrix: Soil
Batch Number: 4862-951227

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Date Analyzed |
|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 12/28/95 |

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# LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

## EPA 8015 MODIFIED
## FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Date Prepared: 12/27/95 08:00:
Initial Wt./Volume: 30 grams
Final Volume: 5 mL
LCS Date Analyzed: 12/28/95

Lab ID: 35921-LS2 /7950
Matrix: Soil Units: mg/Kg (ppm)
Batch Number: 4862-951227
LCSD Date Analyzed: NA

| Analyte | (a) Sample Conc. | (b) Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| Diesel (C12-C22) | 0 | 83 | 59 | 71 | NA | NA | NA | 52-125 | ≤25 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

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# MATRIX SPIKE/MATRIX SPIKE DUPLICATE

## EPA 8015 MODIFIED
## FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 , 30 grams
Final Volume: 5 , 5 mL
MS Date Analyzed: 12/29/95

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/35922,35923-7950
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil (S ) Units: mg/Kg (ppm)
Batch Number: 4862-951227
% Moisture: NA

MSD Date Analyzed: 12/29/95

| Analyte | (a) Sample Conc. | (b) MS/ MSD Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| Diesel (C12-C22) | 0 | 83 | 68 | 82 | 63 | 75 | 8 | 52-125 | ≤25 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

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# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3510

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Rinse Blank 2
Sample Number: RB-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 12:35
Initial Wt./Volume: 1000 mL
Final Volume: 1 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-17/35674-7950
Date/Time Sampled: 12/21/95 11:55
Matrix: Water ( W )
Batch Number: 4859-951227

| Analyte | Result mg/L (ppm) | Reporting Limit mg/L (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 0.50 | 1 | 12/30/95 |

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# METHOD BLANK

## EPA 8015 MODIFIED
## FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3510

Sample ID: 12/27/95 MB/35911
Date Prepared: 12/27/95 12:35
Initial Wt./Volume: 1000 mL
Final Volume: 1 mL

Lab ID: 35911-MB /7950
Matrix: Water
Batch Number: 4859-951227

| Analyte | Result mg/L (ppm) | Reporting Limit mg/L (ppm) | Date Analyzed |
|---|---|---|---|
| No petroleum fractions found | BRL | 0.50 | 12/30/95 |

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# LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

## EPA 8015 MODIFIED
## FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3510

Date Prepared: 12/27/95 12:35:
Initial Wt./Volume: 1000 mL
Final Volume: 1 mL
LCS Date Analyzed: 12/29/95

Lab ID: 35912-LS1 /7950
Matrix: Water Units: mg/L (ppm)
Batch Number: 4859-951227
LCSD Date Analyzed: NA

| Analyte | (a) Sample Conc. | (b) Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| Diesel (C12-C22) | 0 | 2.5 | 2.0 | 81 | NA | NA | NA | 34-153 | ≤25 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 20.0-0.0
Sample Number: MH-4-4
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-4/35615-8414
Date/Time Sampled: 12/21/95 9:00
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7535.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 1 Chloromethane | BRL | 10 | 1 | 12/27/95 |
| 2 Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| 3 Bromomethane | BRL | 10 | 1 | 12/27/95 |
| 4 Chloroethane | BRL | 10 | 1 | 12/27/95 |
| 5 Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| 6 Acetone X | BRL | 25 | 1 | 12/27/95 |
| 7 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 8 Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| 9 Carbon Disulfide X | BRL | 5.0 | 1 | 12/27/95 |
| 10 trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 11 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 12 cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 13 Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 14 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 15 2-Butanone X | BRL | 25 | 1 | 12/27/95 |
| 16 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 17 Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| 18 Benzene | BRL | 5.0 | 1 | 12/27/95 |
| 19 Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 20 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| 21 Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| 22 trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 23 cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 24 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 25 Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| 26 Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-4/35615-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 27 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| 28 Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 29 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| 30 Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 31 Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 32 Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| 33 m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| 34 o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| 35 Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 36 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 37 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 38 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 39 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70 - 121 |
| Toluene-d8 | 103 | 81 - 117 |
| Bromofluorobenzene | 97 | 74 - 121 |

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Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 30.0-0.0
Sample Number: MH-4-5
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-5/35616-8414
Date/Time Sampled: 12/21/95 9:30
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7536.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-5/35616-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 70 - 121 |
| Toluene-d8 | 105 | 81 - 117 |
| Bromofluorobenzene | 102 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 40.0-0.0
Sample Number: MH-4-6
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-6/35617-8414
Date/Time Sampled: 12/21/95 10:05
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7537.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-6/35617-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | 70 - 121 |
| Toluene-d8 | 108 | 81 - 117 |
| Bromofluorobenzene | 106 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 5.0-0.0
Sample Number: MH-2-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-13/35619-8414
Date/Time Sampled: 12/21/95 1:30
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7538.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-13/35619-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 70 - 121 |
| Toluene-d8 | 109 | 81 - 117 |
| Bromofluorobenzene | 104 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 10.0-0.0
Sample Number: MH-2-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-14/35633-8414
Date/Time Sampled: 12/21/95 11:35
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7562.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-14/35633-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 70 - 121 |
| Toluene-d8 | 102 | 81 - 117 |
| Bromofluorobenzene | 99 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 5.0-0.0
Sample Number: MH-7-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-18/35634-8414
Date/Time Sampled: 12/21/95 13:05
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7539.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-18/35634-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70 - 121 |
| Toluene-d8 | 108 | 81 - 117 |
| Bromofluorobenzene | 105 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 10.0-0.0
Sample Number: MH-7-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-19/35636-8414
Date/Time Sampled: 12/21/95 13:10
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7540.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-19/35636-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 70 - 121 |
| Toluene-d8 | 109 | 81 - 117 |
| Bromofluorobenzene | 106 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: 15 Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 1.0-0.0
Sample Number: MH-8-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-23/35639-8414
Date/Time Sampled: 12/21/95 13:45
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7563.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-23/35639-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 70 - 121 |
| Toluene-d8 | 115 | 81 - 117 |
| Bromofluorobenzene | 84 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: 15 Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 5.0-0.0
Sample Number: MH-8-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-24/35653-8414
Date/Time Sampled: 12/21/95 13:50
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7564.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-24/35653-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | 70 - 121 |
| Toluene-d8 | 110 | 81 - 117 |
| Bromofluorobenzene | 108 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 1.0-0.0
Sample Number: MH-9-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-27/35659-8414
Date/Time Sampled: 12/21/95 14:10
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7541.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-27/35659-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70 - 121 |
| Toluene-d8 | 116 | 81 - 117 |
| Bromofluorobenzene | 97 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 5.0-0.0
Sample Number: MH-9-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-28/35660-8414
Date/Time Sampled: 12/21/95 14:15
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7542.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-28/35660-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 70 - 121 |
| Toluene-d8 | 100 | 81 - 117 |
| Bromofluorobenzene | 100 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: LS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 1.0-0.0
Sample Number: MH-10-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-31/35663-8414
Date/Time Sampled: 12/21/95 14:50
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7543.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-31/35663-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | 70 - 121 |
| Toluene-d8 | 116 | 81 - 117 |
| Bromofluorobenzene | 104 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 5.0-0.0
Sample Number: MH-10-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-32/35665-8414
Date/Time Sampled: 12/21/95 15:00
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7544.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/27/95 |
| Bromomethane | BRL | 10 | 1 | 12/27/95 |
| Chloroethane | BRL | 10 | 1 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/27/95 |
| Acetone | BRL | 25 | 1 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chloroform | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 2-Butanone | BRL | 25 | 1 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/27/95 |
| Benzene | BRL | 5.0 | 1 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/27/95 |
| Bromoform | BRL | 5.0 | 1 | 12/27/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-32/35665-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/27/95 |
| Toluene | BRL | 5.0 | 1 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/27/95 |
| Styrene | BRL | 5.0 | 1 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | 70 - 121 |
| Toluene-d8 | 107 | 81 - 117 |
| Bromofluorobenzene | 109 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: JS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 10.0-0.0
Sample Number: MH-10-3
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-33/35666-8414
Date/Time Sampled: 12/21/95 15:05
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7556.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-33/35666-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 70 - 121 |
| Toluene-d8 | 105 | 81 - 117 |
| Bromofluorobenzene | 100 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: JS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 1.0-0.0
Sample Number: MH-11-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-37/35667-8414
Date/Time Sampled: 12/21/95 16:05
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7554.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-37/35667-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 70 - 121 |
| Toluene-d8 | 106 | 81 - 117 |
| Bromofluorobenzene | 96 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 5.0-0.0
Sample Number: MH-11-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-38/35668-8414
Date/Time Sampled: 12/21/95 16:10
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7546.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-38/35668-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | 70 - 121 |
| Toluene-d8 | 105 | 81 - 117 |
| Bromofluorobenzene | 100 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 10.0-0.0
Sample Number: MH-11-3
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-39/35669-8414
Date/Time Sampled: 12/21/95 16:15
Matrix: Soil ( S )
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7547.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-39/35669-8414

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | 70 - 121 |
| Toluene-d8 | 113 | 81 - 117 |
| Bromofluorobenzene | 110 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

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# METHOD BLANK

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/27/95 MB/36223
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

Lab ID: 36223-MB /8414
Matrix: Soil
Batch Number: 4895
Instrument/Column: MS04/RTX-502.2
Data File: P7533.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Date Analyzed |
|---|---|---|---|
| Chloromethane | BRL | 10 | 12/27/95 |
| Vinyl Chloride | BRL | 10 | 12/27/95 |
| Bromomethane | BRL | 10 | 12/27/95 |
| Chloroethane | BRL | 10 | 12/27/95 |
| Trichlorofluoromethane | BRL | 10 | 12/27/95 |
| Acetone | BRL | 25 | 12/27/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 12/27/95 |
| Methylene Chloride | BRL | 5.0 | 12/27/95 |
| Carbon Disulfide | BRL | 5.0 | 12/27/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 12/27/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 12/27/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 12/27/95 |
| Chloroform | BRL | 5.0 | 12/27/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 12/27/95 |
| 2-Butanone | BRL | 25 | 12/27/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 12/27/95 |
| Carbon Tetrachloride | BRL | 5.0 | 12/27/95 |
| Benzene | BRL | 5.0 | 12/27/95 |
| Trichloroethene | BRL | 5.0 | 12/27/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 12/27/95 |
| Bromodichloromethane | BRL | 5.0 | 12/27/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 12/27/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 12/27/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 12/27/95 |
| Dibromochloromethane | BRL | 5.0 | 12/27/95 |
| Bromoform | BRL | 5.0 | 12/27/95 |
| 4-Methyl-2-Pentanone | BRL | 25 | 12/27/95 |
| Toluene | BRL | 5.0 | 12/27/95 |
| 2-Hexanone | BRL | 25 | 12/27/95 |
| Tetrachloroethene | BRL | 5.0 | 12/27/95 |
| Chlorobenzene | BRL | 5.0 | 12/27/95 |

# METHOD BLANK

## VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 36223-MB /8414 1559

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Date Analyzed |
|---|---|---|---|
| Ethyl benzene | BRL | 5.0 | 12/27/95 |
| m & p Xylene | BRL | 5.0 | 12/27/95 |
| o-Xylene | BRL | 5.0 | 12/27/95 |
| Styrene | BRL | 5.0 | 12/27/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 12/27/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 12/27/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 12/27/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 12/27/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70 - 121 |
| Toluene-d8 | 108 | 81 - 117 |
| Bromofluorobenzene | 105 | 74 - 121 |

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Approved by: TS Date: 1-3-96

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## VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 MB/36222
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

Lab ID: 36222-MB /8414
Matrix: Soil
Batch Number: 4895
Instrument/Column: MS04/RTX-502.2
Data File: P7561.d

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Date Analyzed |
|---|---|---|---|
| Chloromethane | BRL | 10 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 12/28/95 |
| Bromomethane | BRL | 10 | 12/28/95 |
| Chloroethane | BRL | 10 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 12/28/95 |
| Acetone | BRL | 25 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 12/28/95 |
| Chloroform | BRL | 5.0 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 12/28/95 |
| 2-Butanone | BRL | 25 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 12/28/95 |
| Benzene | BRL | 5.0 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 12/28/95 |
| Bromoform | BRL | 5.0 | 12/28/95 |
| 4-Methyl-2-Pentanone | BRL | 25 | 12/28/95 |
| Toluene | BRL | 5.0 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 12/28/95 |

# METHOD BLANK

## VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 36222-MB /8414 1200

| Analyte | Result ug/Kg (ppb) | Reporting Limit ug/Kg (ppb) | Date Analyzed |
|---|---|---|---|
| Ethyl benzene | BRL | 5.0 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 12/28/95 |
| Styrene | BRL | 5.0 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 70 - 121 |
| Toluene-d8 | 108 | 81 - 117 |
| Bromofluorobenzene | 104 | 74 - 121 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

## VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/27/95 LCS/36220
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL
LCS Date Analyzed: 12/27/95

Lab ID: 36220-LCS /8414

Matrix: Soil
Units: ug/Kg (ppb)
Batch Number: 4895
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: P7534.d

| Analyte | (a) Sample Conc. | (b) Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 0 | 50 | 44 | 88 | NA | NA | NA | 59-172 | ≤22 |
| Benzene | 0 | 50 | 53 | 105 | NA | NA | NA | 66-142 | ≤21 |
| Trichloroethene | 0 | 50 | 47 | 94 | NA | NA | NA | 62-137 | ≤24 |
| Toluene | 0 | 50 | 54 | 107 | NA | NA | NA | 59-139 | ≤21 |
| Chlorobenzene | 0 | 50 | 57 | 114 | NA | NA | NA | 60-133 | ≤21 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

| Surrogate | (h) Surr. Spike Conc. | (i) Sample + Surr. Spike Conc. | (j) Surr. Spike Rec % | (k) Sample Dup. + Surr. Spike Conc. | (l) Surr. Spike Dup. Rec % | Acceptance Limits |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 50 | 53 | 107 | NA | NA | 70-121 |
| Toluene-d8 | 50 | 55 | 110 | NA | NA | 81-117 |
| Bromofluorobenzene | 50 | 56 | 112 | NA | NA | 74-121 |

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

*The cover letter and enclosures are integral parts of this report.*

Approved by: LS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

## VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 LCS/36221
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL
LCS Date Analyzed: 12/28/95

Lab ID: 36221-LCS /8414
Matrix: Soil
Units: ug/Kg (ppb)
Batch Number: 4895
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: P7553.d

| Analyte | (a) Sample Conc. | (b) Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 0 | 50 | 41 | 83 | NA | NA | NA | 59-172 | ≤22 |
| Benzene | 0 | 50 | 52 | 104 | NA | NA | NA | 66-142 | ≤21 |
| Trichloroethene | 0 | 50 | 45 | 90 | NA | NA | NA | 62-137 | ≤24 |
| Toluene | 0 | 50 | 52 | 105 | NA | NA | NA | 59-139 | ≤21 |
| Chlorobenzene | 0 | 50 | 54 | 107 | NA | NA | NA | 60-133 | ≤21 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

| Surrogate | (h) Surr. Spike Conc. | (i) Sample + Surr. Spike Conc. | (j) Surr. Spike Rec % | (k) Sample Dup. + Surr. Spike Conc. | (l) Surr. Spike Dup. Rec % | Acceptance Limits |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 50 | 52 | 104 | NA | NA | 70-121 |
| Toluene-d8 | 50 | 54 | 109 | NA | NA | 81-117 |
| Bromofluorobenzene | 50 | 53 | 106 | NA | NA | 74-121 |

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

*The cover letter and enclosures are integral parts of this report.*

Approved by: 15 Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Rinse Blank 1
Sample Number: RB-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-16/35673-8414
Date/Time Sampled: 12/21/95 11:55
Matrix: Water ( W )
Batch Number: 4897

Instrument/Column: MS02/RTX-502.2
Data File: V8777.d

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-16/35673-8414

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 76 - 114 |
| Toluene-d8 | 98 | 88 - 110 |
| Bromofluorobenzene | 95 | 86 - 115 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Trip Blank
Sample Number: Trip Blank
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-43/35680-8414
Date/Time Sampled: 12/21/95 16:45
Matrix: Water ( W )
Batch Number: 4897

Instrument/Column: MS02/RTX-502.2
Data File: V8776.d

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Chloromethane | BRL | 10 | 1 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 1 | 12/28/95 |
| Bromomethane | BRL | 10 | 1 | 12/28/95 |
| Chloroethane | BRL | 10 | 1 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 1 | 12/28/95 |
| Acetone | BRL | 25 | 1 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chloroform | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 2-Butanone | BRL | 25 | 1 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 1 | 12/28/95 |
| Benzene | BRL | 5.0 | 1 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 1 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 1 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 1 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 1 | 12/28/95 |
| Bromoform | BRL | 5.0 | 1 | 12/28/95 |

# VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-43/35680-8414

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| 4-Methyl-2-Pentanone | BRL | 25 | 1 | 12/28/95 |
| Toluene | BRL | 5.0 | 1 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 1 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 1 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| Ethyl benzene | BRL | 5.0 | 1 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 1 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 1 | 12/28/95 |
| Styrene | BRL | 5.0 | 1 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 1 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 1 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 76 - 114 |
| Toluene-d8 | 102 | 88 - 110 |
| Bromofluorobenzene | 100 | 86 - 115 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# METHOD BLANK

## VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 MB/36231
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL

Lab ID: 36231-MB /8414
Matrix: Water
Batch Number: 4897
Instrument/Column: MS02/RTX-502.2
Data File: V8763.d

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Date Analyzed |
|---|---|---|---|
| Chloromethane | BRL | 10 | 12/28/95 |
| Vinyl Chloride | BRL | 10 | 12/28/95 |
| Bromomethane | BRL | 10 | 12/28/95 |
| Chloroethane | BRL | 10 | 12/28/95 |
| Trichlorofluoromethane | BRL | 10 | 12/28/95 |
| Acetone | BRL | 25 | 12/28/95 |
| 1,1-Dichloroethene | BRL | 5.0 | 12/28/95 |
| Methylene Chloride | BRL | 5.0 | 12/28/95 |
| Carbon Disulfide | BRL | 5.0 | 12/28/95 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 12/28/95 |
| 1,1-Dichloroethane | BRL | 5.0 | 12/28/95 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 12/28/95 |
| Chloroform | BRL | 5.0 | 12/28/95 |
| 1,2-Dichloroethane | BRL | 5.0 | 12/28/95 |
| 2-Butanone | BRL | 25 | 12/28/95 |
| 1,1,1-Trichloroethane | BRL | 5.0 | 12/28/95 |
| Carbon Tetrachloride | BRL | 5.0 | 12/28/95 |
| Benzene | BRL | 5.0 | 12/28/95 |
| Trichloroethene | BRL | 5.0 | 12/28/95 |
| 1,2-Dichloropropane | BRL | 5.0 | 12/28/95 |
| Bromodichloromethane | BRL | 5.0 | 12/28/95 |
| trans-1,3-Dichloropropene | BRL | 5.0 | 12/28/95 |
| cis-1,3-Dichloropropene | BRL | 5.0 | 12/28/95 |
| 1,1,2-Trichloroethane | BRL | 5.0 | 12/28/95 |
| Dibromochloromethane | BRL | 5.0 | 12/28/95 |
| Bromoform | BRL | 5.0 | 12/28/95 |
| 4-Methyl-2-Pentanone | BRL | 25 | 12/28/95 |
| Toluene | BRL | 5.0 | 12/28/95 |
| 2-Hexanone | BRL | 25 | 12/28/95 |
| Tetrachloroethene | BRL | 5.0 | 12/28/95 |
| Chlorobenzene | BRL | 5.0 | 12/28/95 |

# METHOD BLANK

## VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 36231-MB /8414 1324

| Analyte | Result ug/L (ppb) | Reporting Limit ug/L (ppb) | Date Analyzed |
|---|---|---|---|
| Ethyl benzene | BRL | 5.0 | 12/28/95 |
| m & p Xylene | BRL | 5.0 | 12/28/95 |
| o-Xylene | BRL | 5.0 | 12/28/95 |
| Styrene | BRL | 5.0 | 12/28/95 |
| 1,1,2,2-Tetrachloroethane | BRL | 5.0 | 12/28/95 |
| 1,3-Dichlorobenzene | BRL | 5.0 | 12/28/95 |
| 1,4-Dichlorobenzene | BRL | 5.0 | 12/28/95 |
| 1,2-Dichlorobenzene | BRL | 5.0 | 12/28/95 |

| Surrogates | % Recovery | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 76 - 114 |
| Toluene-d8 | 101 | 88 - 110 |
| Bromofluorobenzene | 96 | 86 - 115 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

# LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

## VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 LCS/36230
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL
LCS Date Analyzed: 12/28/95

Lab ID: 36230-LCS /8414

Matrix: Water Units: ug/L (ppb)
Batch Number: 4897
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: V8765.d

| Analyte | (a) Sample Conc. | (b) Spike Conc. | (c) Sample + Spike Conc. | (d) Spike Rec % | (e) Sample Dup. + Spike Conc. | (f) Spike Dup. Rec % | (g) RPD % | Acceptance Limits % Rec. | Acceptance Limits RPD |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 0 | 50 | 48 | 96 | NA | NA | NA | 61-145 | ≤14 |
| Benzene | 0 | 50 | 48 | 96 | NA | NA | NA | 76-127 | ≤11 |
| Trichloroethene | 0 | 50 | 48 | 96 | NA | NA | NA | 71-120 | ≤14 |
| Toluene | 0 | 50 | 48 | 97 | NA | NA | NA | 76-125 | ≤13 |
| Chlorobenzene | 0 | 50 | 49 | 98 | NA | NA | NA | 75-130 | ≤13 |

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

| Surrogate | (h) Surr. Spike Conc. | (i) Sample + Surr. Spike Conc. | (j) Surr. Spike Rec % | (k) Sample Dup. + Surr. Spike Conc. | (l) Surr. Spike Dup. Rec % | Acceptance Limits |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 50 | 54 | 108 | NA | NA | 76-114 |
| Toluene-d8 | 50 | 50 | 100 | NA | NA | 88-110 |
| Bromofluorobenzene | 50 | 51 | 102 | NA | NA | 86-115 |

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

*The cover letter and enclosures are integral parts of this report.*

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 3, 1996
LP #: 13167

Everett Ferguson
McLaren/Hart Environmental Engineering
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Ferguson:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 20, 1995, for the project *Mobil Jalk Fee*.

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips

Chris Phillips
Project Coordinator

Enclosure: EDD

# ANALYTICAL REPORT

## LABORATORY PROJECT (LP) NUMBER 13167

## MOBIL JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

| | | |
|---|---|---|
| | ARIZONA: | Hazardous Waste, #AZ0468<br>Waste Water, # AZ0468<br>Drinking Water, #AZ0468 |
| ✓ | CALIFORNIA: | Hazardous Waste, #1417<br>Waste Water, # 1417<br>Drinking Water, #1417<br>Mobile Lab, #2070 |
| | CONNECTICUT: | Waste Water, #PH0799 |
| | FLORIDA: | Environmental Water, #E87298<br>CQAPP #930105 |
| | KANSAS: | Hazardous Waste, #E-1167<br>Waste Water, #E-192<br>Drinking Water, #E-192 |
| | NEW HAMPSHIRE: | Waste Water, #253195-B<br>Drinking Water, #253195-A |
| | NEW JERSEY: | Waste Water, #44818 |
| | NEW YORK: | Hazardous Waste, #11241<br>Waste Water, #11241<br>CLP, #11241 |
| | OKLAHOMA: | Hazardous Waste, #9318<br>Waste Water, #9318 |
| | SOUTH CAROLINA: | Hazardous Waste, #87013<br>Waste Water, #87013 |
| | TENNESSEE: | Underground Storage Tank |
| | WASHINGTON: | Hazardous Waste, #C048 |
| | WISCONSIN: | Hazardous Waste, #999940920<br>Waste Water, #999940920 |
| | USACOE: | Hazardous Waste<br>Waste Water |
| | AFCEE | Hazardous Waste<br>Waste Water |

(CN13167)

MI Environmental Laboratories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

SHIP TO : 1 OF 3

# CHAIN OF CUSTODY RECORD 15995

SIDE 2 FOR COMPLETE INSTRUCTIONS

**Project Name:** MOBIL JALK FEE
**Project Number:** 03.0601414.002
**Project Location: (State)** CA

**FOR LABORATORY USE ONLY**
Laboratory Project #: 13167 Storage ID: 12-A, 8
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No
AIR BUBBLES: 2-021

Sample Disposal (check one): [X] Laboratory Standard [ ] Other

Level of QC (see Side 2): [X] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8 [ ] A

Write in Analysis Method →

## SAMPLE INFORMATION / ANALYSES REQUESTED

| FOR LABORATORY USE ONLY Lab ID | Sample ID Number | Date | Time | Description: Locator | Description: Depth | Container(s): # | Container(s): Type | Matrix Type | Pres. Type | TAT | 8015 mod/G | 8020 BETX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 13167-001 | BC-71 | 12/19 | 1010 | BioPile 2 cell 71 | 1 ft | 1 | BRASS | SOIL | NONE | 2WK | X | X |
| 2 002 | BC-59 | | 1025 | BioPile 2 cell 59 | 1 ft | 1 | BRASS | SOIL | NONE | 2WK | X | X |
| 3 003 | BC-76 | | 1040 | BioPile 2 cell 76 | 1 ft | 1 | BRASS | SOIL | NONE | 2WK | X | X |
| 4 004 | BC-80 | | 1055 | Pile 2 cell 80 | | | | SOIL | | | X | X |
| 5 005 | BC-57 | | 1110 | Pile 2 cell 57 | | | | | | | X | X |
| 6 006 | BC-67 | | 1135 | Pile 2 cell 67 | | | | | | | X | X |
| 7 007 | BC-55 | | 1155 | Pile 2 cell 55 | | | | | | | X | X |
| 8 008 | BC-27 | | 1310 | Pile 1 cell 27 | | | | | | | X | X |
| 9 009 | BC-46 | | 1325 | Pile 1 cell 46 | | | | | | | X | X |
| 10 010 | BC-25 | 12/19 | 1335 | Pile 1 cell 25 | 1 ft | 1 | BRASS | SOIL | NONE | 2WK | X | X |

**SEND REPORT TO:**
Company Name McLAREN HART
Client Name Everett Ferguson
Address 16755 VON KARMAN AVE IRVINE CA 92714
Phone 714 756 2667 Fax

**BILL TO (if different):**
Company Name
Address
PO #
Phone Fax

**Special Instructions/Comments**
8015 Full Screen
8020 BTEX

Sampler Name: MIKE WARRINER
Signature:
PPE Worn in Field: LEVEL D
12/19/95 1645P

Relinquished By: Mike Warriner — Date/Time: 12/19/95 1709
Received By or Method of Shipment/Shipment I.D.: MODE AIRLINE 910 — Date/Time: 12/19/95 1709

Relinquished By: EXPRESS IT — Date/Time:
Received By or Method of Shipment/Shipment I.D.: 12-20-95 0950

Relinquished By: — Date/Time:
Received By or Method of Shipment/Shipment I.D. — Date/Time:

**Common Analytical Methods**
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8160
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivos
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

M[illegible] Environmental L[illegible]atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

SHIP T[illegible] 2 of 3

# CHAIN OF CUSTODY RECORD 15999

SIDE 2 FOR COMPLETE INSTRUCTIONS

**Project Name:** MOBIL JALK FEE
**Project Number:** 030601414.002
**Project Location: (State)** CA

**FOR LABORATORY USE ONLY**
*Laboratory Project #:* 13167 *Storage ID:* 124-A 8
*Sample Condition Upon Receipt: Temp:* 2 °C *Geiger:*
*Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No*

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method

## SAMPLE INFORMATION

| FOR LABORATORY USE ONLY Lab ID | Sample ID Number | Date | Time | Description: Locator | Description: Depth | Container(s): # | Container(s): Type | Matrix Type | Pres. Type | TAT | 8015 mod (FS) | 8020 BETX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 13167-011 | BC-2 | 12/19 | 1350 | Bio Pile 1 Cell 2 | 1 ft | 1 | BRASS | Soil | NONE | 2 wk | X | X |
| 2 012 | BC-30 | | 1405 | Bio Pile 1 Cell 30 | | | | | | | X | X |
| 3 013 | BC-43 | | 1415 | Bio Pile 1 Cell 43 | | | | | | | X | X |
| 4 014 | BC-21 | | 1430 | Bio Pile 1 Cell 21 | | | | | | | X | X |
| 5 015 | BC-6 | | 1440 | Bio Pile 1 Cell 6 | | | | | | | X | X |
| 6 016 | BC-12 | | 1605 | Pile 1 Cell 12 | | | | | | | X | X |
| 7 017 | BC-15 | | 1615 | Pile 1 Cell 15 | | | | | | | X | X |
| 8 018 | BC-17 | | 1620 | Pile 1 Cell 17 | | | | | | | X | X |
| 9 019 | BC-40 | | 1625 | Pile 1 Cell 40 | | | | | | | X | X |
| 10 020 | BC-4 | 12/19 | 1640 | Pile 1 Cell 4 | 1 ft | 1 | BRASS | Soil | None | 2 wk | X | X |

**SEND REPORT TO:**
Company Name McLaren/Hart
Client Name Everett Ferguson
Address 16755 Von Karman Ave
Irvine CA 92714
Phone 714-756-2667 Fax

**BILL TO (if different):**
Company Name
Address
PO #
Phone Fax

**Special Instructions/Comments**
8015 - Full screen
8020 BTEX

Sampler Name: Mike Warriner
Signature: [signature]
PPE Worn in Field: LEVEL D
Relinquished By: Mike Warriner [signature] Date/Time: 12/19/95 1709
Received By or Method of Shipment/Shipment I.D.: [signature] Date/Time: 12/19/95 445P
Relinquished By: EXPRESS IT Date/Time:
Received By or Method of Shipment/Shipment I.D.: [signature] Date/Time: 12-19-95 1709
Relinquished By: Date/Time:
Received By or Method of Shipment/Shipment I.D.: [signature] Date/Time: 12-20-95 0950

**Common Analytical Methods**
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

Master Builders Technologies
CA 95670
Phone 916/852-6600
Fax 916/852-7292

# CHAIN OF CUSTODY RECORD

15990

**Project Name:** MOBIL JALK FEE
**Project Number:** 03.0601414.002
**Project Location: (State)** CA

**FOR LABORATORY USE ONLY**
*Laboratory Project #:* 13167 *Storage ID:* 124-A, 8
*Sample Condition Upon Receipt: Temp:* 2 °C *Geiger:*
*Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No*

Sample Disposal (check one)
- [X] Laboratory Standard
- [ ] Other

Level of QC (see Side 2): [X] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8 [ ] A

Write in Analysis Method

## SAMPLE INFORMATION

| FOR LABORATORY USE ONLY Lab ID | Sample ID Number | Date | Time | Description: Locator | Description: Depth | Container(s): # | Container(s): Type | Matrix Type | Pres. Type | TAT | 8015 med (FS) | 8020 BTEX | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 13167-021 | TRIP BLANK | 12/19 | 1645 | — | — | 1 | 40ml VOA | water | HCl | 2wk | X | X | HOLD |
| 2 ↓ | TRIP BLANK | 12/19 | 1645 | — | — | 1 | 40ml VOA | water | HCl | 2wk | X | X | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |

**SEND REPORT TO:**
Company Name: McLAREN/HART
Client Name: Everett Ferguson
Address: 16755 Von Karman Ave Irvine CA 92714
Phone: 714-756-2667 Fax

**BILL TO (if different):**
Company Name
Address
PO #
Phone Fax

**Special Instructions/Comments**
CALL EVERETT FOR INSTRUCTIONS REGARDING TRIP BLANKS

| Sampler Name | Signature | PPE Worn in Field | |
|---|---|---|---|
| MIKE WARRINER | [signature] | LEVEL D | 12/19/95 1645 |
| Relinquished By: Mike Warriner | Date/Time: 12/19/95 1709 | Received By or Method of Shipment/Shipment I.D.: [signature] | Date/Time: 12/19/95 1709 |
| Relinquished By: EXPRESS IT | Date/Time | Received By or Method of Shipment/Shipment I.D.: Cindy N. | Date/Time: 12-20-95 0950 |
| Relinquished By: | Date/Time | Received By or Method of Shipment/Shipment I.D. | Date/Time |

INSTRUCTIONS

**Common Analytical Methods**
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8060
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolve

## GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8015 Modified - Fuel Fingerprinting:

For EPA 8015 Modified - Fuel Fingerprinting (GC), all peaks within the C7-C32 carbon range are compared to the standard which the peaks most closely resemble. Values reported are calculated based on the total area of the peaks in the carbon range of that standard.

The matrix spike/matrix spike duplicate RPDs flagged on the matrix spike data sheet are outside of advisory quality control limits, indicating possible sample matrix nonhomogeneity.

EPA 8020 BTEX:

Non-target analytes are present on the chromatograph for the following samples: 13167-6, 13167-12, 13167-15, 13167-17, and 13167-18.

Abbreviations and Definitions:

| | |
|---|---|
| MB | *Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process |
| LCS | *Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method |
| MS/MSD | *Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery |
| RPD | *Relative Percent Difference* - The measurement of precision between duplicate analyses |
| BRL | *Below Reporting Limit* |
| NS | *Not Specified* |
| NA | *Not Applicable* |

(CN13167)

**Flags:**

Organics -

| | |
|---|---|
| J | Estimated value below the reporting limit and at or above the method detection limit. |
| B | Analyte found in the associated blank, as well as in the sample. |

Inorganics -

| | |
|---|---|
| B | Estimated value below the reporting limit and at or above the method detection limit. |

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 71 1.0-0.0
Sample Number: BC-71
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-1/35113-7950
Date/Time Sampled: 12/19/95 10:10
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 110 | 10 | 1 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 59 1.0-0.0
Sample Number: BC-59
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-2/35114-7950
Date/Time Sampled: 12/19/95 10:25
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 4600 | 2000 | 200 | 12/22/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 76 1.0-0.0
Sample Number: BC-76
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-3/35115-7950
Date/Time Sampled: 12/19/95 10:40
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 11 | 10 | 1 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 80 1.0-0.0
Sample Number: BC-80
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-4/35116-7950
Date/Time Sampled: 12/19/95 10:55
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 110 | 50 | 5 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 57 1.0-0.0
Sample Number: BC-57
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-5/35117-7950
Date/Time Sampled: 12/19/95 11:10
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 67 1.0-0.0
Sample Number: BC-67
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-6/35118-7950
Date/Time Sampled: 12/19/95 11:35
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 1100 | 500 | 50 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 55 1.0-0.0
Sample Number: BC-55
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-7/35119-7950
Date/Time Sampled: 12/19/95 11:55
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 610 | 500 | 50 | 01/02/96 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 27 1.0-0.0
Sample Number: BC-27
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-8/35120-7950
Date/Time Sampled: 12/19/95 13:10
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 65 | 10 | 1 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 46 1.0-0.0
Sample Number: BC-46
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-9/35121-7950
Date/Time Sampled: 12/19/95 13:25
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 130 | 10 | 1 | 12/29/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 25 1.0-0.0
Sample Number: BC-25
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-10/35122-7950
Date/Time Sampled: 12/19/95 13:35
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/22/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 2 1.0-0.0
Sample Number: BC-2
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-11/35123-7950
Date/Time Sampled: 12/19/95 13:50
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/22/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 30 1.0-0.0
Sample Number: BC-30
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-12/35124-7950
Date/Time Sampled: 12/19/95 14:05
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| Motor Oil (C22-C32) | 700 | 200 | 20 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 43 1.0-0.0
Sample Number: BC-43
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-13/35125-7950
Date/Time Sampled: 12/19/95 14:15
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

# EPA 8015 MODIFIED
# FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 21 1.0-0.0
Sample Number: BC-21
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-14/35126-7950
Date/Time Sampled: 12/19/95 14:30
Matrix: Soil ( S )
Batch Number: 4781-951220
% Moisture: NA

| Analyte | Result mg/Kg (ppm) | Reporting Limit mg/Kg (ppm) | Dilution Factor | Date Analyzed |
|---|---|---|---|---|
| No petroleum fractions found | BRL | 10 | 1 | 12/27/95 |

*The cover letter and enclosures are integral parts of this report.*

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

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