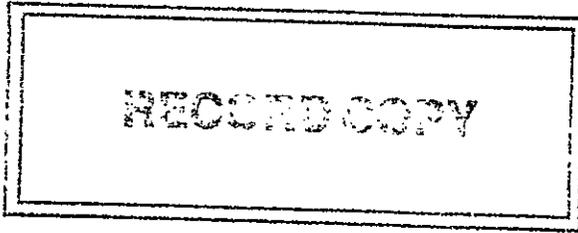


B08N10-TMA-629

TMA

0045340



WESTINGHOUSE HANFORD COMPANY

Results of Analyses For:

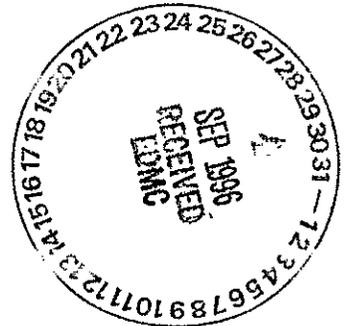
ORGANICS

Case No. 10-050

(TMA/ARLI Work Order # A3-10-050)

December 17, 1993

TMA Master Work Order # N3-10-105



000002A

Westinghouse
Hanford
Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Page 1 of 1

5212
00 5213/PA
10-20-93

Collector **M.L.MYERS/L.GUERRA** Company Contact **C.E.HEIDEN** Telephone **376-2640**
 SAF No. **93-181** Project Designation **Operable Unit - 100-IU-1** Sampling Location **RIVERLAND**
 Ice Chest No. **SML 368** Bill of Lading/Airbill No. **997 332 615** Offsite Property No.
 Method of Shipment **AIR OVERNIGHT** Field Logbook No. **WHC-N-205-26**
 Shipped to **TMA LABORATORIES, RICHMOND CALIFORNIA**
 Possible Sample Hazards/Remarks **UNKNOWN, SUBJECT TO ANALYSIS/PRIORITY TURNAROUND REQUESTED/CERCLA PROTOCOL**
 Special Handling and/or Storage **Shipped on WET ICE. KEEP AT 4 DEGREES C**

| Sample Number | * | Date Collected | Time | Number and Type of Containers | Analysis Required | Preservative |
|-------------------|---|----------------|-------|-------------------------------|--------------------------------|--------------|
| B08NT0 | S | 10-13-93 | 10:30 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | N/A |
| B08NR3 | | 10-15-93 | 09:00 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| B08NS6 | | 10-13-93 | 12:54 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| B08NS7 | | 10-13-93 | 12:54 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| B08NS9 | | 10-13-93 | 13:05 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| B08NT1 | | 10-18-93 | 9:30 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| B08NT2 | | 10-18-93 | 14:30 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| B08NT3 | | 10-18-93 | 14:30 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| B08NT4 | | 10-18-93 | 14:30 | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |

[Signature] 10-20-93

| | | | | | |
|---------------------------------------|-----------------------|-----------------------------------|-----------------------------|-----------------------------|---|
| Chain of Possession | | (Sign and Print Names) | | PRIORITY TURNAROUND, | * Matrix SE = Sediment SL = Sludge SO = Solid T = Tissue W = Water WI = Wipe X = Other A = Air DL = Drum Liquids DS = Drum Solids L = Liquid O = Oil S = Soil |
| Retinquished By <i>L. GUERRA</i> | Date/Time 15:00 | Received By <i>[Signature]</i> | Date/Time 10-21-93 11:30 | | |
| Retinquished By <i>[Signature]</i> | Date/Time 10-18-93 | Received By | Date/Time | | |
| Retinquished By | Date/Time | Received By | Date/Time | | |
| LABORATORY SECTION | Received By | Title | | Date/Time | |
| Final Sample Disposition | Disposal Method: | Disposed by: | | Date/Time: | |

SAMPLE LOG-IN SHEET

LAB NAME : TMA/ARLI

PAGE : C OF 1

000003
000004 SF
12116k

RECEIVED BY (PRINT NAME): D. WHITAKER

LOG-IN-DATE : 10-22-93

RECEIVED BY (SIGNATURE): [Signature]

| ICE CHEST NO. <u>SML-439</u> | CORRESPONDING | | | REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC |
|---|--------------------|--------------------|----------------------|--|
| | EPA SAMPLE # | SAMPLE TAG # | ASSIGNED LAB # | |
| REMARKS: | | | | |
| 1. Custody Seal(s) <u>Present / Absent* Intact / Broken</u> | | <u>BOBNT 1</u> | <u>A310050</u> | |
| 2. Custody Seal Nos: _____ | | <u>BOBNS 7</u> | <u>A310050</u> | |
| 3. Chain of Custody Records <u>Present / Absent*</u> | | <u>BOBNT 2</u> | <u>A310050</u> | |
| 4. Traffic Reports or Packing List <u>Present / Absent*</u> | | <u>BOBNT 3</u> | <u>A310050</u> | |
| 5. Airbill <u>Airbill / Sticker Present / Absent*</u> | | <u>BOBNT 4</u> | <u>A310050</u> | |
| 6. Airbill No.: <u>989325112</u> | | <u>BOBNT 0</u> | <u>A310050</u> | |
| 7. Sample Tags <u>Present / Absent*</u> | | <u>BOBNS 9</u> | <u>A310050</u> | |
| 8. Sample Tag Numbers <u>Listed / Not Listed on Chain of Custody</u> | | <u>BOBNS 3</u> | <u>A310050</u> | |
| 9. Sample Condition: <u>Intact / Broken* / Leaking</u> | | <u>BOBNS 6</u> | <u>A310050</u> | |
| 10. Does information on custody records, traffic reports, and sample tags agree? <u>Yes / No*</u> | | | | |
| 11. Date Received at Lab: <u>10-22-93</u> | | | | |
| 12. Temp of ice chest <u>6</u> °C | | | | |
| 13. Time Received: <u>0930</u> | | | | |
| SAMPLE TRANSFER | | | | |
| Fraction: _____ | | | | |
| Area #: _____ | | | | |
| By: _____ | | | | |
| On: _____ | | | | |

* Contact SMO and attach record of resolution

Reviewed By: _____ Logbook No.: _____
Date: _____ Logbook Page No.: _____

00004
 111111
 00005
 111111
 SF
 2/19/93



QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
 PACKAGE TRACKING NUMBER 7289153373

7289153373

RECIPIENT'S COPY

Date: 10-21-93

| | | | | | | | |
|--|--|---|--|--|--|--|--|
| From (Your Name) Please Print SAMPLE CONTROL Company Street Address City State ZIP Required | | Your Phone Number (Very Important) (10-235-2634) Department/Floor No. | | To (Recipient's Name) Please Print CAROLE HARRIS Company TMA/ARLI Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.) 160 TAYLOR STREET City State ZIP Required MONROVIA, MA. 91016 | | Recipient's Phone Number (Very Important) 818 357-3247 Department/Floor No. | |
|--|--|---|--|--|--|--|--|

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)
 2340-6406

IF HOLD FOR PICK-UP, Print FEDEX Address Here
 Street Address
 City State ZIP Required

PAYMENT 1 Bill Sender 2 Bill Recipient's FedEx Acct. No. 3 Bill 3rd Party FedEx Acct. No. 4 Bill Credit Card
 5 Cash/Check

| SERVICES (Check only one box) | | DELIVERY AND SPECIAL HANDLING (Check services required) | | PACKAGES | WEIGHT in Pounds Only | YOUR DECLARED VALUE (\$500 max) | Emp. No. | Date | FedEx Express Use |
|---|--|---|--|---|-----------------------|---------------------------------|----------|------|---|
| Priority Overnight (Delivery by next business morning) 11 <input checked="" type="checkbox"/> OTHER PACKAGING 16 <input type="checkbox"/> FEDEX LETTER™ 12 <input type="checkbox"/> FEDEX PAK™ 13 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE™ | Standard Overnight (Delivery by next business afternoon, no Saturday delivery) 51 <input type="checkbox"/> OTHER PACKAGING 56 <input type="checkbox"/> FEDEX LETTER™ 52 <input type="checkbox"/> FEDEX PAK™ 53 <input type="checkbox"/> FEDEX BOX 54 <input type="checkbox"/> FEDEX TUBE™ | 1 <input type="checkbox"/> HOLD FOR PICK-UP (FIC in Box 14) 2 <input checked="" type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input type="checkbox"/> DRY ICE (Dangerous Goods Shipper's Declaration not required) | 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 8 <input type="checkbox"/> 9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 12 <input type="checkbox"/> HOLIDAY DELIVERY (if offered) (Extra charge) | 4 Total 4 Total 220 Total 220 DMM SHIPMENT (Chargeable Weight) 4 Total 220 lbs | | | | | FedEx Express Use Base Charges Declared Value Charge Other 1 Other 2 Total Charges REVISION DATE 11/92 PART #137204 FXEM 3/93 FORMAT #155 155 © 1992-93 FEDEX PRINTED IN U.S.A. |

70 OVERNIGHT FREIGHT™ (Confirmed reservation required)
 80 TWO-DAY FREIGHT™ (Confirmed reservation required)
 *Declared Value Limit \$500
 **Call for delivery schedule

CASE NARRATIVE

LABORATORY : TMA/ARLI

CASE : 10-050

CONTRACT ID : WESTINGHOUSE HANFORD COMPANY

SDG RECEIPT DATE : October 21, 1993

1.0 DESCRIPTION OF CASE :

Nine soil samples were analyzed for for Total Petroleum Hydrocarbons - the Diesel (D) Range - according to the SW-846 Method 8015M.

2.0 SAMPLE LIST :

| <u>WESTINGHOUSE ID</u> | <u>LAB ID</u> | <u>ANALYSIS REQUESTED</u> | <u>MATRIX</u> |
|------------------------|---------------|-------------------------------|---------------|
| B08NT0 | A3-10-050-01A | D | SOIL |
| B08NR3 | A3-10-050-02A | D | SOIL |
| B08NS6 | A3-10-050-03A | D | SOIL |
| B08NS6 MS | A3-10-050-03B | D | SOIL |
| B08NS6 MSD | A3-10-050-03C | D | SOIL |
| B08NS7 | A3-10-050-04A | D | SOIL |
| B08NS9 | A3-10-050-05A | D | SOIL |
| B08NT1 | A3-10-050-06A | D | SOIL |
| B08NT2 | A3-10-050-07A | D | SOIL |
| B08NT3 | A3-10-050-08A | D | SOIL |
| B08NT4 | A3-10-050-09A | D | SOIL |

3.0 COMMENTS :

3.1 SHIPPING AND DOCUMENTATION :

All of the samples were received and properly documented.

3.2 ANALYSIS

3.2.1 EXTRACTABLE HYDROCARBONS "DIESEL RANGE" COMMENTS :

SEQUENCE NOTES :

The sequence was started on 10/27/93 and was analyzed according to the SW-846 Method 8015M. The initial calibration consisted of 5 different levels of the Diesel standard that ranged from approximately 180ppm to 1800ppm. The continuing calibration at the 1100ppm level was injected amongst a series of samples, in order to verify the instrument stability. The %RSD in the initial calibration and the %D in the continuing calibration were below their 20% and 15% limits, respectively.

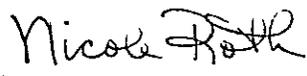
SAMPLE NOTES :

LOW LEVEL SOIL :

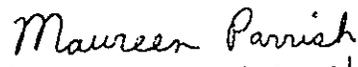
The samples were extracted and analyzed within the SW-846 holding times. Approximately 20 g of each sample was extracted and concentrated to 5 mL. The samples were then analyzed by GC/FID for Total Petroleum Hydrocarbons in the Diesel range.

Diesel was not detected in any of the samples. Sample B08NS6 was spiked with Diesel and yielded a matrix spike recovery for the MS sample of 65%, and the recovery of 60% for the MSD sample.

We certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data in this hardcopy data package and in the computer-readable data submitted on diskette is authorized by the Laboratory Manager or his designee, as verified by the following signatures.


Nicole Roth
CLP Program Manager

12/16/93


Maureen Parrish
Program Manager

12/16/93

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NTOFRACTION 01A TEST CODE 8015MS NAME EPA 8015M EXTRACT.Date & Time Collected 10/13/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

Received: 10/21/93

TMA Inc.

REPORT

Work Order # A3-10-050

Results by Sample

SAMPLE ID B08NR3 FRACTION 02A TEST CODE 8015MS NAME EPA 8015M EXTRACT.
Date & Time Collected 10/13/93 Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL
Date Analyzed: 10/28/93
Dilution factor: 1.00
Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NS6FRACTION Q3ATEST CODE 8015MSNAME BPA 8015M EXTRACT.Date & Time Collected 10/13/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

000021

Received: 10/21/93

TMA Inc.

REPORT

Work Order # A3-10-050

Results by Sample

SAMPLE ID B08NS7FRACTION 04ATEST CODE 8015MSNAME EPA 8015M EXTRACT.Date & Time Collected 10/13/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NS9FRACTION 05ATEST CODE 8015MSNAME EPA 8015M EXTRACT.Date & Time Collected 10/13/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

000027

TMA Inc. REPORT
Results by Sample

Work Order # A3-10-050

Received: 10/21/93

SAMPLE ID B08NT1 FRACTION 06A TEST CODE 8015MS NAME EPA 8015M EXTRACT.
Date & Time Collected 10/18/93 Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL
Date Analyzed: 10/28/93
Dilution factor: 1.00
Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

000030

Received: 10/21/93

TMA Inc.

REPORT

Work Order # A3-10-050

Results by Sample

SAMPLE ID B08NT2 FRACTION Q7A TEST CODE 8015MS NAME EPA 8015M EXTRACT.
Date & Time Collected 10/18/93 Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL
Date Analyzed: 10/28/93
Dilution factor: 1.00
Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

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SF
10/18/93

TMA Inc.

REPORT

Work Order # A3-10050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NT3 FRACTION 08A TEST CODE 8015MS NAME EPA 8015M EXTRACT.
Date & Time Collected 10/18/93 Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL

Date Analyzed: 10/28/93

Dilution factor: 1.00

Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

Received: 10/21/93

TMA Inc.

REPORT

Work Order # A3-10-050

Results by Sample

SAMPLE ID B08NT4FRACTION Q9A TEST CODE 8015MS NAME EPA 8015M EXTRACT.Date & Time Collected 10/18/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NR3FRACTION 02A TEST CODE 8015MS NAME BPA 8015M EXTRACT.Date & Time Collected ~~10/23/93~~

Category _____

10/15/93

2/16/93 F113

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

Form I

PBD
2/7/94

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NS6FRACTION 03A TEST CODE 8015MS NAME EPA 8015M EXTRACT.Date & Time Collected 10/13/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

Form I

PED
2/7/94

000021

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NS7 FRACTION 04A TEST CODE 8015MS NAME EPA 8015M EXTRACT.
Date & Time Collected 10/13/93 Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL
Date Analyzed: 10/28/93
Dilution factor: 1.00
Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

Form I

FED
2/7/14

000024

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NS9 FRACTION 05A TEST CODE 8015MS NAME KPA 8015M EXTRACT.
Date & Time Collected 10/13/93 Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL
Date Analyzed: 10/28/93
Dilution factor: 1.00
Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

Form I

FEL
2/1/14

000012

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NTO

FRACTION Q1A TEST CODE 8015MS NAME KPA 8015M EXTRACT.

Date & Time Collected 10/13/93

Category _____

10/15/93

2/16/94 (circled)

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL

Date Analyzed: 10/28/93

Dilution factor: 1.00

Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

Form I

PbD
2/7/94

000027

TMA Inc. REPORT
Results by Sample

Work Order # A3-10-050

Received: 10/21/93

SAMPLE ID B08NT1 FRACTION 06A TEST CODE 8015MS NAME EPA 8015M EXTRACT.
Date & Time Collected 10/18/93 Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL
Date Analyzed: 10/28/93
Dilution factor: 1.00
Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

Form I

PBD
2/7/94

000030

Received: 10/21/93

TMA Inc.

REPORT

Work Order # A3-10-050

Results by Sample

SAMPLE ID B08NT2

FRACTION 07A

TEST CODE 8015MS

NAME EPA 8015M EXTRACT.

Date & Time Collected 10/18/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL

Date Analyzed: 10/28/93

Dilution factor: 1.00

Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

FBD
2/7/94

Form I

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~~000033~~

SF
10/16/93

Received: 10/21/93

TMA Inc.

REPORT

Work Order # A3-10055

Results by Sample

SAMPLE ID B08NT3

FRACTION 08A TEST CODE 8015MS NAME EPA 8015M EXTRACT.

Date & Time Collected 10/18/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOIL

Date Analyzed: 10/28/93

Dilution factor: 1.00

Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

R

ND = Not detected at the specified limits

Form I

FBD
2/7/94

TMA Inc.

REPORT

Work Order # A3-10-050

Received: 10/21/93

Results by Sample

SAMPLE ID B08NT4FRACTION 09A TEST CODE 8015MS NAME EPA 8015M EXTRACT.Date & Time Collected 10/18/93

Category _____

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: SOILDate Analyzed: 10/28/93Dilution factor: 1.00Concentration Units: mg/Kg

| Compound | Sample Result | PQL |
|--------------------------|---------------|-----|
| Kerosene Range | NA | NA |
| C10 - C16 Jet Fuel Range | NA | NA |
| C9 - C22 Diesel Range | ND | 10 |
| Hydraulic Range | NA | NA |

ND = Not detected at the specified limits

Form I

R

FED
2/7/74