

**NATLSCO****LABORATORY ANALYSIS REPORT**

**National Loss Control Service Corporation**  
 Long Grove, Illinois 60049-0075  
 (708) 540-2488 • Fax (708) 540-4331

ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE FEB. 12, 1992SAMPLES REC'D FEB. 10, 1992REQUEST NUMBER 168708PAGE NUMBER 1 OF REQUEST.

TO: L. R. STIELE  
 RYCHEN  
 P.O. BOX 500  
 DEER PARK

TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED  | RESULTS    |         |       |       |
|---------------|---------------------|------------|---------|-------|-------|
|               |                     | Micrograms |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 103592V       | VINYL CHLORIDE      | <1.1       | <1.1    | <0.03 | <0.03 |
|               |                     | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | 0.0050     | <0.0041 | 0.09  | <0.07 |
| 203592V       | VINYL CHLORIDE      | <1.1       | <1.1    | <0.03 | <0.03 |
|               |                     | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | 0.026      | <0.0041 | 0.42  | <0.07 |
| 303592V       | VINYL CHLORIDE      | <1.1       | <1.1    | <0.03 | <0.03 |
|               |                     | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | 0.011      | <0.0041 | 0.18  | <0.07 |
| 403592V       | VINYL CHLORIDE      | <1.1       | <1.1    | <0.03 | <0.03 |
|               |                     | Micrograms |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |

**COMMENTS:**

POM HD350271-024 RW71822

&lt; MEANS LESS THAN

THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:

95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

Joan A. Wronski, CIH, Manager  
 Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

OCC 9449



# NATLSCO

## LABORATORY ANALYSIS REPORT

National Loss Control Service Corporation

Long Grove, Illinois 60049-0075

(708) 540-2488 • Fax (708) 540-4331

ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE FEB. 12, 1992

SAMPLES REC'D FEB. 10, 1992

REQUEST NUMBER 168708

PAGE NUMBER 2 OF REQUEST.

TO:

L. R. STEFF

OXYCHEN

P.O. BOX 500

DEER PARK

TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED            | RESULTS       |         |       |       |
|---------------|-------------------------------|---------------|---------|-------|-------|
|               |                               | Front         | Back    | Front | Back  |
| 403592V       | ETHYLENE DICHLORIDE           | 0.0044        | <0.0041 | 0.07  | <0.07 |
| 503592V       | VINYL CHLORIDE                | Front         | Back    | Front | Back  |
|               |                               | <1.1          | <1.1    | <0.03 | <0.03 |
| 603592V       | ETHYLENE DICHLORIDE           | Front         | Back    | Front | Back  |
|               |                               | <0.0041       | <0.0041 | <0.07 | <0.07 |
| 803592V       | BLANK.... VINYL CHLORIDE      | NONE DETECTED |         |       |       |
|               | BLANK.... ETHYLENE DICHLORIDE | NONE DETECTED |         |       |       |
| 103792V       | VINYL CHLORIDE                | Front         | Back    | Front | Back  |
|               |                               | <1.1          | <1.1    | <0.03 | <0.03 |
| 103792V       | ETHYLENE DICHLORIDE           | Front         | Back    | Front | Back  |
|               |                               | 0.0068        | <0.0041 | 0.12  | <0.07 |
| 203792V       | VINYL CHLORIDE                | Front         | Back    | Front | Back  |
|               |                               | <1.1          | <1.1    | <0.03 | <0.03 |
| 203792V       | ETHYLENE DICHLORIDE           | Front         | Back    | Front | Back  |
|               |                               | 0.0060        | <0.0041 | 0.10  | <0.07 |

COMMENTS:

PO# HD350271-021 RW71822

C MEANS LESS THAN

THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:

95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

Joan A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

OCC 9450

**NATLSCO****LABORATORY ANALYSIS REPORT**

National Loss Control Service Corporation  
Long Grove, Illinois 60049-0075  
(708) 540-2488 • Fax (708) 540-4331

ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE FEB. 12, 1992

SAMPLES REC'D FEB. 10, 1992

REQUEST NUMBER 148706

PAGE NUMBER 1 OF REQUEST.

TO: E. R. STEELE  
OXYGEN  
P.O. BOX 500  
DEER PARK TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED           | RESULTS       |         |       |       |
|---------------|------------------------------|---------------|---------|-------|-------|
|               |                              | Micrograms    |         | PPM   |       |
|               |                              | Front         | Back    | Front | Back  |
| 403792V       | VINYL CHLORIDE               | 11            | <1.1    | 0.20  | <0.03 |
|               |                              | Nilligrams    |         | PPM   |       |
|               |                              | Front         | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE          | <0.0041       | <0.0041 | <0.07 | <0.07 |
| B02792V       | BLANK... VINYL CHLORIDE      | NONE DETECTED |         |       |       |
|               | BLANK... ETHYLENE DICHLORIDE | NONE DETECTED |         |       |       |

COMMENTS:  
FOR HR350271 024 RH71822  
C MEANS LESS THAN  
THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY.  
95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

John A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

OCC 9451

**NATLSCO****LABORATORY ANALYSIS REPORT**

**National Loss Control Service Corporation**  
Long Grove, Illinois 60049-0075  
(708) 540-2488 • Fax (708) 540-4331

ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE FEB. 12, 1992

SAMPLES REC'D FEB. 10, 1992

REQUEST NUMBER 138708

PAGE NUMBER      OF REQUEST.

TO:

F. R. STIELE  
OXYCHEN  
P.O. BOX 300  
BIR PARK

TX 77536

|  | ANALYSIS REQUESTED                    | METHODOLOGY                                 |
|--|---------------------------------------|---------------------------------------------|
|  | ETHYLENE DICHLORIDE<br>VINYL CHLORIDE | OSHA METHOD 07 EQUIVALENT<br>OSHA METHOD 04 |

Respectfully submitted,

*John A. Wronski*  
John A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

OCC 9452

**NATLSCO**

National Loss Control Service Corporation

ENVIRONMENTAL SCIENCES LABORATORY, K-2

One Kemper Drive  
Long Grove, IL 60049-0075 • 708/540-2488

Name Gene Steele  
Title Chemist  
Firm Occidental Chem. Corp.  
Address P.O. Box 500  
Deer Park, TX 77536  
Bus. Tel. No. (713) 479-5344

No. 168708

ANALYSIS REQUEST

#3

| FIELD NUMBER | SAMPLING VOLUME | ANALYZE FOR—                              | LABORATORY NO. | RESULTS |
|--------------|-----------------|-------------------------------------------|----------------|---------|
| 103592V      | 14.3 L          | Vinyl Chloride<br>1,2 DICHLOROETHANE (ED) | 008709         |         |
| 203592V      | 15.4 L          | " ✓                                       | 008710         |         |
| 303592V      | 14.4 L          | " ✓                                       | 008711         |         |
| 403592V      | 14.8 L          | " "                                       | 008712         |         |
| 503592V      | 14.7 L          | " "                                       | 008713         |         |
| 603592V      |                 | " "                                       | 008714         |         |
| 03792V       | 14.4 L          | " "                                       | 008715         |         |
| 203792V      | 14.6 L          | " "                                       | 008716         |         |
| 403792V      | 14.9 L          | " "                                       | 008717         |         |
| 803792V      |                 | " "                                       | 008718         |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |

DATE SAMPLES TAKEN

DATE RECEIVED BY  
LABORATORY

2-10-92

DATE COMPLETED

2-12-92

ANALYTICAL METHOD:

COMMENTS:

OCC 9453

GIC 46-25 p. 37-38

Ship To • Environmental Service Laboratory K2

Route 22 and Kemper Drive  
Long Grove IL, 60049 0075

ATTN: JOAN Wronski

**Vendor** •

NATIONAL Loss Service Corp.  
Long Grove, IL 60049 0075



**Occidental Chemical Corporation.**

**As Agent For  
Occidental Electrochemicals Corporation**

## Blanket Order Release/ Requisition

Release the following items in accordance with the dates and specifications listed below. All other terms and conditions applying to the original order continue to remain in effect.

**Render separate invoices in Duplicate** for each order number As Per Our Blanket Order Instructions. Acknowledgement, Invoice, correspondence, and each package, case, etc. must bear the blanket order, release and requisition (R) numbers to process payment.

GCA 30 - 30

|                                    |                |               |                              |                     |                           |
|------------------------------------|----------------|---------------|------------------------------|---------------------|---------------------------|
| BLANKET ORDER NO.<br>HB 350271-024 | WORK ORDER NO. | DATE RELEASED | REQUIRED DATE                | SHIP DATE<br>2-7-92 | REQUISITION NO.<br>R71822 |
| RELEASED BY<br>Gene Steele         | PHONE NO.      | STATION NO.   | APPROVED BY                  |                     | PRINT<br>YES NO           |
| DELIVER TO                         |                |               | CONFIRMED WITH (VENDOR REP.) |                     |                           |

| LOC   | G/L | EX    | C/C | MTL | SUB | REPAIR |  |  |  | SPECIAL INSTRUCTIONS |
|-------|-----|-------|-----|-----|-----|--------|--|--|--|----------------------|
| 26721 |     | 49961 |     |     | 611 |        |  |  |  |                      |

| STOCK NO. | ITEM | QUANTITY | U/M | DESCRIPTION                                                                                                                                                                                              | PRICE |
|-----------|------|----------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|           |      | 10       | EA  | Charcoal Tubes for<br>Vinyl Chloride anal<br>12 dichloroethane (EDC)<br>Analyses - Numbered as follows<br>103592V, 203592V, 303592V<br>403592V, 503592V, 603592V<br>103792V, 203792V, 303792V<br>403792V |       |
|           |      |          |     | Analysis Request # 168708                                                                                                                                                                                |       |

|                            |                  |             |             |                                 |
|----------------------------|------------------|-------------|-------------|---------------------------------|
| RELEASE COMPLETED          | DATE             | RELEASE NO. | REVIEW DATE | Occidental Chemical Corporation |
| REQUISITION NO.<br>R 71822 | RELEASE ENTRY BY |             | DATE        |                                 |
|                            |                  |             |             | Per                             |

OCC 9454

## OCCIDENTAL CHEMICAL CORPORATION

## CHAIN OF CUSTODY RECORD

Instruction: This record must accompany sample (s) and be returned and retained with analysis.

O - Optional

M - Mandatory

I. Sample (s) ID

(O) OCC Project No. \_\_\_\_\_

(O) Contractor Project No. \_\_\_\_\_

(M) Sample Identification (Plant/Source): Deer Park VCM Plant

(M) Sample ID Date/Time of Sample

103592V, 203592V, 303592V,  
403592V, 503592V, 603592V,  
103792V, 203792V, 403792V,  
603792V

2-4-92 0600-1700

" "

2-6-92 0600-1700

" "

II. Sampler ID

(M) Name: Patricia H. DesVignes

(O) Title: Sr. Lab. Tech.

III. Custody Changes

(M) Released By: Patricia H. DesVignes to Federal Express

(M) Date: 2-7-92

(M) Time: \_\_\_\_\_

(Print Company and last name followed by Signature, date, and time)

(M) Received By: H. Wermeyer

(M) Condition Rec'd (Refrig., etc.,) OK

(M) Date: 2-10-92 Time \_\_\_\_\_

(Print Company and last name followed by Signature, date, and time)

(M) Released By: \_\_\_\_\_

(M) Date: \_\_\_\_\_

(M) Time: \_\_\_\_\_

(Print Company and last name followed by Signature, date, and time)

(M) Received By: \_\_\_\_\_

(M) Condition Rec'd (Refrig., etc.,) \_\_\_\_\_

(M) Date: \_\_\_\_\_ Time \_\_\_\_\_

IV. Sample Disposal

(M) How: \_\_\_\_\_

(M) When (Date/Time): \_\_\_\_\_

OCC 9455

**NATLSCO**

National Loss Control Service Corporation

ENVIRONMENTAL SCIENCES LABORATORY, K-2

One Kemper Drive  
Long Grove, IL 60049-0075 • 708/540-2488

Name Gene Steele  
Title Chemist  
Firm Occidental Chem. Corp.  
Address P.O. Box 500  
Deer Park, TX 77536  
Bus. Tel. No. (713) 479-5344

No. 168708

## ANALYSIS REQUEST

| FIELD NUMBER | SAMPLING VOLUME | ANALYZE FOR-                               | LABORATORY NO. | RESULTS |
|--------------|-----------------|--------------------------------------------|----------------|---------|
| 103592V      | 14.3 L          | Vinyl Chloride<br>1,2 DICHLOROETHANE (EDC) |                |         |
| 203592V      | 15.4 L          | " "                                        |                |         |
| 303592V      | 14.4 L          | " "                                        |                |         |
| 403592V      | 14.8 L          | " "                                        |                |         |
| 503592V      | 14.7 L          | " "                                        |                |         |
| 803592V      |                 | " "                                        |                |         |
| 03792V       | 14.4 L          | " "                                        |                |         |
| 203792V      | 14.6 L          | " "                                        |                |         |
| 403792V      | 14.9 L          | " "                                        |                |         |
| 803792V      |                 | " "                                        |                |         |
|              |                 |                                            |                |         |
|              |                 |                                            |                |         |
|              |                 |                                            |                |         |
|              |                 |                                            |                |         |
|              |                 |                                            |                |         |
|              |                 |                                            |                |         |
|              |                 |                                            |                |         |

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY  
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

OCC 9456

Ship To •

Environmental Service Laboratory K2  
Route 22 and Kemper Drive  
Long Grove IL, 60049 0075  
ATTN: Joan Wronski

Vendor •

NATIONAL LOSS Service Corp.  
Long Grove, IL 60049 0075



Occidental Chemical Corporation

As Agent For  
Occidental Electrochemicals Corporation

**Blanket Order Release/  
Requisition**

Release the following items in accordance with the dates and specifications listed below. All other terms and conditions applying to the original order continue to remain in effect

Render separate invoices in Duplicate for each order number As Per Our Blanket Order Instructions Acknowledgement, Invoice, correspondence, and each package, case, etc. must bear the blanket order, release and requisition (R) numbers to process payment

GCA 30 - 30

|                                         |                |               |                             |                            |                                 |
|-----------------------------------------|----------------|---------------|-----------------------------|----------------------------|---------------------------------|
| BLANKET ORDER NO<br><b>HB350271-024</b> | WORK ORDER NO. | DATE RELEASED | REQUIRED DATE               | SHIP DATE<br><b>2-7-92</b> | REQUISITION NO<br><b>R71822</b> |
| RELEASED BY<br><b>Gene Steele</b>       | PHONE NO.      | STATION NO    | APPROVED BY                 |                            | PRINT<br>YES NO                 |
| DELIVER TO                              |                |               | CONFIRMED WITH (VENDOR REP) |                            |                                 |

|     |     |    |     |     |     |        |                      |
|-----|-----|----|-----|-----|-----|--------|----------------------|
| LOC | G/L | EX | C/C | MTL | SUB | REPAIR | SPECIAL INSTRUCTIONS |
| 26  | 72  | 14 | 99  | 61  | 11  |        |                      |

| STOCK NO. | ITEM | QUANTITY | U/M | DESCRIPTION                                                                                                                                                                                              | PRICE |
|-----------|------|----------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|           |      | 10       | EA  | Charcoal Tubes for<br>Vinyl Chloride and<br>12 dichloroethane (EOC.)<br>Analyses - Numbered as follows<br>103592V, 203592V, 303592V<br>403592V, 503592V, 603592V<br>103792V, 203792V, 303792V<br>403792V |       |

Analysis Request # 168708

|                                  |                  |            |                                |                                 |
|----------------------------------|------------------|------------|--------------------------------|---------------------------------|
| RELEASE COMPLETED                | DATE             | RELEASE NO | REVIEW DATE                    | Occidental Chemical Corporation |
| REQUISITION NO<br><b>R 71822</b> | RELEASE ENTRY BY | DATE       | <b>Engine R. Steele</b><br>Per |                                 |

OCC 9457

SOURCE