



# 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

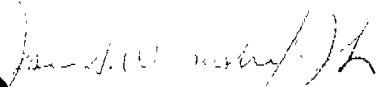
REPORT DATE JAN. 30, 1992  
SAMPLES REC'D JAN. 27, 1992  
REQUEST NUMBER 153106  
PAGE NUMBER 1 OF REQUEST.

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

| SAMPLE NUMBER | ANALYSIS REQUESTED  | RESULTS          |                    |                |               |
|---------------|---------------------|------------------|--------------------|----------------|---------------|
|               |                     | Front            | Micrograms<br>Back | Front          | PPM<br>Back   |
| 101492V       | VINYL CHLORIDE      | <1.2             | <1.2               | <0.03          | <0.03         |
|               | ETHYLENE DICHLORIDE | Front<br><0.0042 | Back<br><0.0042    | Front<br><0.07 | Back<br><0.07 |
| 201492V       | VINYL CHLORIDE      | <1.2             | <1.2               | <0.03          | <0.03         |
|               | ETHYLENE DICHLORIDE | Front<br>0.013   | Back<br><0.0042    | Front<br>0.22  | Back<br><0.07 |
| 301492V       | VINYL CHLORIDE      | <1.2             | <1.2               | <0.03          | <0.03         |
|               | ETHYLENE DICHLORIDE | Front<br>0.0096  | Back<br><0.0042    | Front<br>0.15  | Back<br><0.06 |
| 401492V       | VINYL CHLORIDE      | <1.2             | <1.2               | <0.03          | <0.03         |

COMMENTS:  
P.O. # HB336367-011 -- R71812  
C MEANS LESS THAN  
THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:  
95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

  
Dan A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

OCC 9505

**NATLSCO****LABORATORY ANALYSIS REPORT****National Loss Control Service Corporation**

Long Grove, Illinois 60049-0075

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE JAN. 30, 1992SAMPLES REC'D JAN. 27, 1992REQUEST NUMBER 153106PAGE NUMBER 7 OF REQUEST.**TO:**

E. R. STEELE

OXYCHEM

P.O. BOX 500

DEER PARK

TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED  | RESULTS       |         |       |       |
|---------------|---------------------|---------------|---------|-------|-------|
|               |                     | Front         | Back    | Front | Back  |
| 401492V       | ETHYLENE DICHLORIDE | 0.0092        | <0.0042 | 0.15  | <0.07 |
| 501492V       | VINYL CHLORIDE      | Front         | Back    | Front | Back  |
|               |                     | <1.2          | <1.2    | <0.03 | <0.03 |
|               | ETHYLENE DICHLORIDE | Front         | Back    | Front | Back  |
|               |                     | <0.0042       | <0.0042 | <0.07 | <0.07 |
| 601492V       | VINYL CHLORIDE      | Front         | Back    | Front | Back  |
|               |                     | <1.2          | <1.2    | <0.03 | <0.03 |
|               | ETHYLENE DICHLORIDE | Front         | Back    | Front | Back  |
|               |                     | 0.043         | <0.0042 | 0.77  | <0.07 |
| B01492V       | BLANK..... : ANK    | NONE DETECTED |         |       |       |
| 101592V       | VINYL CHLORIDE      | Front         | Back    | Front | Back  |
|               |                     | <1.2          | <1.2    | <0.03 | <0.03 |
|               | ETHYLENE DICHLORIDE | Front         | Back    | Front | Back  |
|               |                     | <0.0042       | <0.0042 | <0.06 | <0.06 |

**COMMENTS:**

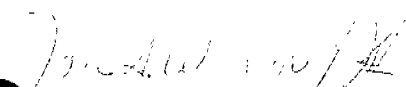
P.O.# HB326367-011 - R71812

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Respectfully submitted,

  
 Dan A. Wronski, CIH, Manager  
 Environmental Sciences Laboratory
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OCC 9506



## LABORATORY ANALYSIS REPORT

National Loss Control Service Corporation

Long Grove, Illinois 60049-0075

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE JAN. 30, 1992SAMPLES REC'D JAN. 27, 1992REQUEST NUMBER 153106PAGE NUMBER 7 OF REQUEST.

TO: J. R. STELF  
OXYCHEM  
P.O. BOX 500  
DEER PARK TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED  | RESULTS    |         |       |       |
|---------------|---------------------|------------|---------|-------|-------|
|               |                     | Micrograms |         | PPM   |       |
| 201592V       | VINYL CHLORIDE      | Front      | Back    | Front | Back  |
|               |                     | <1.2       | <1.2    | <0.03 | <0.03 |
|               | ETHYLENE DICHLORIDE | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 301592V       | VINYL CHLORIDE      | <0.0042    | <0.0042 | <0.07 | <0.07 |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 401592V       | VINYL CHLORIDE      | <1.2       | <1.2    | <0.03 | <0.03 |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 501592V       | VINYL CHLORIDE      | <1.2       | <1.2    | <0.03 | <0.03 |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
|               |                     | Micrograms |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |

## COMMENTS:

P.O.# HB336367-C11 - R71812

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Respectfully submitted,

Joan A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

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OCC 9507



# NATLSCO

**National Loss Control Service Corporation**  
Long Grove, Illinois 60049-0075  
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ENVIRONMENTAL SCIENCES LABORATORY, K-2

## LABORATORY ANALYSIS REPORT

REPORT DATE JAN. 30, 1992

SAMPLES REC'D JAN. 27, 1992

REQUEST NUMBER 153106

PAGE NUMBER 1 OF REQUEST.

TO:

E. R. STEELE  
OXYCHEM  
P.O. BOX 500  
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TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED  | RESULTS       |         |       |       |
|---------------|---------------------|---------------|---------|-------|-------|
|               |                     | Milligrams    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
| 501592V       | ETHYLENE DICHLORIDE | <0.0042       | <0.0042 | <0.06 | <0.06 |
| B01592V       | BLANK... BLANK      | NONE DETECTED |         |       |       |
|               |                     | Micrograms    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
| 102192V       | VINYL CHLORIDE      | 460           | 19      | 12    | 0.47  |
|               |                     | Milligrams    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | 0.012         | <0.0042 | 0.20  | <0.07 |
|               |                     | Micrograms    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
| 202192V       | VINYL CHLORIDE      | <1.2          | <1.2    | <0.03 | <0.03 |
|               |                     | Milligrams    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | 0.030         | <0.0042 | 0.69  | <0.07 |

### COMMENTS:

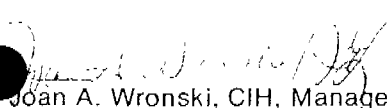
P.O. # HB396367-011 - R71812

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Respectfully submitted,

  
Joan A. Wronski, CIH, Manager  
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## 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 JAN. 30, 1992SAMPLES REC'D JAN. 27, 1992REQUEST NUMBER 153107PAGE NUMBER 1 OF REQUEST.TO: E. R. STEELE  
OXYGEN  
P.O. BOX 500  
DEER PARK

TX 77536

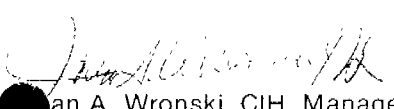
| SAMPLE NUMBER | ANALYSIS REQUESTED  | RESULTS       |         |       |       |
|---------------|---------------------|---------------|---------|-------|-------|
|               |                     | Micrograms    |         | PPM   |       |
| 302192V       | VINYL CHLORIDE      | Front         | Back    | Front | Back  |
|               |                     | <1.2          | <1.2    | <0.03 | <0.03 |
|               | ETHYLENE DICHLORIDE | Milligrams    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
| 402192V       | VINYL CHLORIDE      | 0.024         | <0.0044 | 0.38  | <0.07 |
|               |                     | Micrograms    |         | PPM   |       |
| 502192V       | ETHYLENE DICHLORIDE | Front         | Back    | Front | Back  |
|               |                     | <1.2          | <1.2    | <0.03 | <0.03 |
|               | ETHYLENE DICHLORIDE | Milligrams    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
| 802192V       | VINYL CHLORIDE      | 0.019         | <0.0044 | 0.31  | <0.07 |
|               |                     | Micrograms    |         | PPM   |       |
| 102292V       | ETHYLENE DICHLORIDE | Front         | Back    | Front | Back  |
|               |                     | <1.2          | <1.2    | <0.03 | <0.03 |
| B02192V       | BLANK... BLANK      | Milligrams    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
|               |                     | 0.018         | <0.0044 | 0.28  | <0.07 |
|               |                     | NONE DETECTED |         |       |       |
|               | VINYL CHLORIDE      | Micrograms    |         | PPM   |       |
|               |                     | Front         | Back    | Front | Back  |
|               |                     | <1.2          | <1.2    | <0.03 | <0.03 |

&lt; MEANS LESS THAN

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Respectfully submitted,

  
Jan A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

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OCC 9509



## 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 JAN. 30, 1992SAMPLES REC'D JAN. 27, 1992REQUEST NUMBER 153107PAGE NUMBER 2 OF REQUEST.

TO: L. R. SIELE  
OXYCHEM  
P.O. BOX 500  
DEER PARK TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED  | RESULTS    |         |       |       |
|---------------|---------------------|------------|---------|-------|-------|
|               |                     | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 102292V       | ETHYLENE DICHLORIDE | 0.0079     | <0.0044 | 0.13  | <0.07 |
|               |                     | Micrograms |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 202292V       | VINYL CHLORIDE      | <1.2       | <1.2    | <0.03 | <0.03 |
|               |                     | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | 0.0034     | <0.0044 | 0.09  | <0.07 |
|               |                     | Micrograms |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 302292V       | VINYL CHLORIDE      | <1.2       | <1.2    | <0.03 | <0.03 |
|               |                     | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | <0.0044    | <0.0044 | <0.07 | <0.07 |
|               |                     | Micrograms |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
| 402292V       | VINYL CHLORIDE      | <1.2       | <1.2    | <0.03 | <0.03 |
|               |                     | Milligrams |         | PPM   |       |
|               |                     | Front      | Back    | Front | Back  |
|               | ETHYLENE DICHLORIDE | <0.0044    | <0.0044 | <0.07 | <0.07 |

< MEANS LESS THAN  
THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:  
95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

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

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OCC 9510



## 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 JAN. 30, 1992

SAMPLES REC'D JAN. 27, 1992

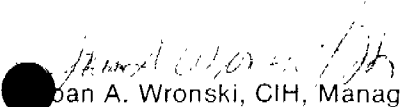
REQUEST NUMBER 153107

PAGE NUMBER 1 OF REQUEST.

TO: E. R. STEELF  
OXYCHEM  
P.O. BOX 500  
DEER PARK TX 77536

| SAMPLE NUMBER | ANALYSIS REQUESTED | RESULTS       |
|---------------|--------------------|---------------|
| B02292V       | BLANK . . . BLANK  | NONE DETECTED |

Respectfully submitted,

  
John A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

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OCC 9511



## LABORATORY ANALYSIS REPORT

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE JAN. 30, 1992SAMPLES REC'D JAN. 27, 1992REQUEST NUMBER 153106

PAGE NUMBER      OF REQUEST.

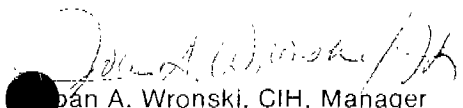
TO:

F. R. STEELE  
OXYGEN  
P.O. BOX 500  
DEER PARK

TX 77536

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

Respectfully submitted,

  
John A. Wronski, CIH, Manager  
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

OCC 9512

**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 PO Box 500  
DEER PARK TX 77536  
Bus. Tel. No. 713 479 5344

ANALYSIS REQUEST

No. 153106

192

| FIELD NUMBER | SAMPLING VOLUME | ANALYZE FOR-                               | LABORATORY NO. | RESULTS   |
|--------------|-----------------|--------------------------------------------|----------------|-----------|
| 101492V      | 15.3L           | Vinyl Chloride<br>1,2 dichloroethane (EDC) | 004980         | JB<br>ESD |
| 201492V      | 14.6L           | " "                                        | 004981         |           |
| 301492V      | 15.8L           | " "                                        | 004982         |           |
| 401492V      | 14.9L           | " "                                        | 004983         |           |
| 501492V      | 15.4L           | " "                                        | 004984         |           |
| 601492V      | 13.9L           | " "                                        | 004985         |           |
| 11492V       | Blank           | " "                                        | 004986         |           |
| 101592V      | 16.2L           | " "                                        | 004987         |           |
| 201592V      | 15.5L           | " "                                        | 004988         |           |
| 301592V      | 16.9L           | " "                                        | 004989         |           |
| 401592V      | 15.4L           | " "                                        | 004990         |           |
| 501592V      | 16.0L           | " "                                        | 004991         |           |
| B01592V      | BLANK           | " "                                        | 004992         |           |
| 102192V      | 14.9L           | " "                                        | 004993         |           |
| 202192V      | 14.5L           | " "                                        | 004994         |           |

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY  
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

PO# HB336367-011 R71812

GC# 26, Bore 24. Pg 82-85

OCC 9513

**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 PO BOX 500  
DEER PARK TX 77536  
Bus. Tel. No. 713 479 5344

No. 153107

## ANALYSIS REQUEST

*2072*

| FIELD NUMBER | SAMPLING VOLUME | ANALYZE FOR-                              | LABORATORY NO. | RESULTS |
|--------------|-----------------|-------------------------------------------|----------------|---------|
| 302192V      | 15.6L           | VINYL CHLORIDE<br>1,2-DICHLOROETHANE(EDC) | 005000         |         |
| 402192V      | 15.0L           | " "                                       | 005001         |         |
| 502192V      | 15.8L           | " "                                       | 005002         |         |
| 802192V      | BLANK           | " "                                       | 005003         |         |
| 102292V      | 15.2L           | " "                                       | 005004         |         |
| 202292V      | 15.4L           | " "                                       | 005005         |         |
| 2292V        | 15.9L           | " "                                       | 005006         |         |
| 402292V      | 15.9L           | " "                                       | 005007         |         |
| B02292V      | BLANK           | " "                                       | 005008         |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |
|              |                 |                                           |                |         |

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY  
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

OCC 9514