



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 APR. 17, 1992

SAMPLES REC'D APR. 13, 1992

REQUEST NUMBER 145795

PAGE NUMBER 1 OF REQUEST.

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

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Micrograms Back	Front	PPM Back
109892V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front 0.030	Back <0.0043	Front 0.51	Back <0.07
209892V	VINYL CHLORIDE	Front <1.2	Back <1.2	Front <0.03	Back <0.03
	ETHYLENE DICHLORIDE	Front <0.0043	Back <0.0043	Front <0.07	Back <0.07
309892V	VINYL CHLORIDE	Front 1.5	Back <1.2	Front 0.04	Back <0.03
	ETHYLENE DICHLORIDE	Front 0.058	Back <0.0043	Front 0.95	Back <0.07
409892V	VINYL CHLORIDE	Front 2.7	Back <1.2	Front 0.07	Back <0.03

COMMENTS:

R77855

< 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 8952



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 APR. 17, 1992

SAMPLES REC'D APR. 13, 1992

REQUEST NUMBER 145795

PAGE NUMBER 3 OF REQUEST.

TO:

F. R. STEELE
OXYCHEN
P.O. BOX 500
OILER PARK

TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Back	Front	Back
409892V	ETHYLENE DICHLORIDE	0.0043	0.0043	0.07	0.07
509892V	VINYL CHLORIDE	Front	Back	Front	Back
		1.2	1.2	0.03	0.03
809892V	ETHYLENE DICHLORIDE	Front	Back	Front	Back
		0.023	0.0043	0.35	0.07
109992V	BLANK... BLANK	NONE DETECTED			
109992V	VINYL CHLORIDE	Front	Back	Front	Back
		1.2	1.2	0.03	0.03
209992V	ETHYLENE DICHLORIDE	Front	Back	Front	Back
		0.097	0.0043	1.6	0.07
209992V	VINYL CHLORIDE	Front	Back	Front	Back
		1.2	1.2	0.03	0.03
209992V	ETHYLENE DICHLORIDE	Front	Back	Front	Back
		0.041	0.0043	0.67	0.07

COMMENTS:

R77855

< MEANS LESS THAN

THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:

95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

Joan A. Wronski

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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OCC 8953

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 Long Grove, Illinois 60049-0075
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ENVIRONMENTAL SCIENCES LABORATORY, K-2

LABORATORY ANALYSIS REPORTREPORT DATE APR. 17, 1992SAMPLES REC'D APR. 13, 1992REQUEST NUMBER 145795PAGE NUMBER 7 OF REQUEST.

TO: F. R. STEELE
 OXYCHEN
 P.O. BOX 500
 DEER PARK TX 77336

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Micrograms Back	Front	PPM Back
309992V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front 0.054	Back <0.0043	Front 0.95	Back <0.08
409992V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front <0.0043	Back <0.0043	Front <0.08	Back <0.08
509992V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front 0.031	Back <0.0043	Front 0.53	Back <0.07
809992V	BLANK... BLANK	NONE DETECTED			

COMMENTS:

R77855

< MEANS LESS THAN

THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:

95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

Joan A. Wronski

Joan A. Wronski, CIH, Manager
 Environmental Sciences Laboratory

OCC 8954

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

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

ENVIRONMENTAL SCIENCES LABORATORY, K-2

LABORATORY ANALYSIS REPORTREPORT DATE APR. 17, 1992SAMPLES REC'D APR. 13, 1992REQUEST NUMBER 145796PAGE NUMBER 1 OF REQUEST.

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

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Micrograms Back	Front	PPM Back
110092V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front 0.022	Back 0.0043	Front 0.36	Back 0.07
210092V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front 0.016	Back 0.0043	Front 0.27	Back 0.07
310092V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front 0.014	Back 0.0043	Front 0.24	Back 0.07
410092V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03

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

Respectfully submitted,

Joan A. Wronski
 Joan A. Wronski, CIH, Manager
 Environmental Sciences Laboratory

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OCC 8955

**NATLSCO**

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

ENVIRONMENTAL SCIENCES LABORATORY, K-2

LABORATORY ANALYSIS REPORT

REPORT DATE APR. 17, 1992

SAMPLES REC'D APR. 13, 1992

REQUEST NUMBER 145796

PAGE NUMBER 2 OF REQUEST.

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

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Milligrams Back	Front	PPM Back
410092V	ETHYLENE DICHLORIDE	0.014	<0.0043	0.24	<0.07
510092V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		<1.2	<1.2	<0.03	<0.03
B10092V	ETHYLENE DICHLORIDE	Front	Milligrams Back	Front	PPM Back
	BLANK.... BLANK	0.030	<0.0043	0.49	<0.07
			NONE DETECTED		

< 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 8956

**NATLSCO**

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

ENVIRONMENTAL SCIENCES LABORATORY, K-2

LABORATORY ANALYSIS REPORT

REPORT DATE APR. 17, 1992

SAMPLES REC'D APR. 13, 1992

REQUEST NUMBER 145793

PAGE NUMBER OF REQUEST.

TO:

L. R. STEELE
OXYCHEM
P.O. BOX 500
DEER PARK

TX 77536

	ANALYSIS REQUESTED	METHODOLOGY
	ETHYLENE DICHLORIDE VINYL CHLORIDE	OSHA METHOD 07 EQUIVALENT OSHA METHOD 04

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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OCC 8957

**NATLSCO**

National Loss Control Service Corporation

ENVIRONMENTAL SCIENCES LABORATORY, K-2

Rte. 22 and 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. 145795

ANALYSIS REQUEST

21

FIELD NUMBER	SAMPLING VOLUME	ANALYZE FOR-	LABORATORY NO.	RESULTS
109892V	14.6	VINYL CHLORIDE 1,2 DICHLORETHANE (EDS)	027696	✓
209892V	15.2	}	027697	✓
309892V	15.1		027698	✓
409892V	15.1		027699	✓
509892V	14.8		027700	✓
609892V	N/A	BLANK	027701	✓
709892V	14.8	VINYL CHLORIDE 1,2 DICHLORETHANE	027702	✓
809892V	15.2	}	027703	✓
909892V	14.2		027704	✓
1009892V	14.1		027705	✓
1109892V	14.4		027706	✓
1209892V	N/A	BLANK	027707	✓

DATE SAMPLES TAKEN

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

COMMENTS:

R 77855

OCC 8958

GC 38-22 p100-101-103

Name GENE SIEGLE
Title CHEMIST
Firm OCCIDENTAL CHEM. CORP.
Address P.O. BOX 500
DEER PARK TX 77536
Bus. Tel. No. (713) 479 5344

ANALYSIS REQUEST

No. 145796

[illegible]

DATE SAMPLES TAKEN _____

DATE RECEIVED BY
LABORATORY

4/13/98

DATE COMPLETED _____

COMMENTS:

ANALYTICAL METHOD:

OCC 8959

CHAIN OF CUSTODY RECORD

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

O = Optional M = Mandatory

• Sample (s) ID

(O) OCC Project No. _____

() Contractor Project No. _____

(M) Sample Identification (Plant/Source): DEER PARK VCM PLANT

(M) <u>Sample ID</u>	<u>Date/Time of Sample</u>
<u>109892V 209892V 309892V</u>	<u>4-7-92 0600-1800</u>
<u>409892V 509892V B09892V</u>	<u>✓</u>
<u>109992V 209992V 309992V</u>	<u>4-8-92 0700-1500</u>
<u>409992V 509992V B09992V</u>	<u>✓</u>
<u>110092V 210092V 310092V</u>	<u>4-9-92 0600-1800</u>
<u>410092V 510092V B10092V</u>	<u>✓</u>

II. Sampler ID

(M) Name: A. W. WARNER

(O) Title: SR LAB TECH

III. Custody Changes

(M) Released By: A. W. Warner To Federal Express

(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: _____

(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 8961

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. 145796

ANALYSIS REQUEST

LITERS

[illegible]

COMMENTS:

DATE SAMPLES TAKEN _____

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

**NATLSCO**

National Loss Control Service Corporation

ENVIRONMENTAL SCIENCES LABORATORY, K-2

Rte. 22 and 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. (213) 479 5344

No. 145795

ANALYSIS REQUEST

FIELD NUMBER	SAMPLING VOLUME LITERS	ANALYZE FOR--	LABORATORY NO.	RESULTS
109892V	14.6	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDS)		
209892V	15.2	}		
309892V	15.1			
409892V	15.1			
509892V	14.8			
609892V	N/A	BLANK		
109992V	14.8	VINYL CHLORIDE 1,2-DICHLOROETHANE		
209992V	15.2	}		
309992V	14.2			
409992V	14.1			
509992V	14.4			
609992V	N/A	BLANK		

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

OCC 8963



Occidental Chemical Corporation

**As Agent For
Occidental Electrochemicals Corporation**

Blanket Order Release/
Requisition

Vendor • National Loss Service Corp.
Long Grove, IL 60049-0075

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. HB 350271-024		WORK ORDER NO.	DATE RELEASED	REQUIRED DATE	SHIP DATE 4-10-92	REQUISITION NO. R 77855
RELEASED BY Gene Steele		PHONE NO.	STATION NO.	APPROVED BY		PRINT YES NO
DELIVER TO				CONFIRMED WITH (VENDOR REP.)		

LOC	G/L	EX	C/C	MTL	SUB	REPAIR	SPECIAL INSTRUCTIONS
267214	99	61			611		

STOCK NO.	ITEM	QUANTITY	U/M	DESCRIPTION	PRICE
		18		20 CHARCOAL TUBES FOR VINYL CHLORIDE AND 1,2 DICHLOROTRAHE (EDC)	
				ANALYSIS - NUMBERED AS FOLLOWS:	
				109892V, 209892V, 309892V, 409892V, 509892V, 809892V, 109992V, 209992V, 309992V, 409992V, 509992V, 130992V, 110092V, 210092V, 310092V, 410092V, 510092V, B10092V	
				Analysis Request # 145795 & 145796	

RELEASE COMPLETED	DATE	RELEASE NO.	REVIEW DATE	Occidental Chemical Corporation
REQUISITION NO. R 77855	RELEASE ENTRY BY		DATE	<i>Eugene R. Steele</i> Per

SOURCE

OCC 8964

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
<u>109892V, 209892V, 309892V</u>	<u>4-7-92 0600-1800</u>
<u>409892V, 509892V, B09892V</u>	<u>✓</u>
<u>109992V, 209992V, 309992V</u>	<u>4-8-92 0700-1500</u>
<u>409992V, 509992V, B09992V</u>	<u>✓</u>
<u>110092V, 210092V, 310092V</u>	<u>4-9-92 0600-1800</u>
<u>410092V, 510092V, B10092V</u>	<u>✓</u>

II. Sampler ID

(M) Name: A. W. LARNER

(O) Title: SR LAB TECH

III. Custody Changes

(M) Released By: A. W. Larner To Federal Express

(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: _____

(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): _____