



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 MAY. 18, 1992

SAMPLES REC'D MAY. 13, 1992

REQUEST NUMBER 155528

PAGE NUMBER 1 OF REQUEST.

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

TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
411592V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front	Milligrams Back	Front	PPM Back
		<0.0043	<0.0043	<0.08	<0.08
511592V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front	Milligrams Back	Front	PPM Back
		<0.0043	<0.0043	<0.07	<0.07
811592V	BLANK..... BLANK	NONE DETECTED			
112592V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front	Milligrams Back	Front	PPM Back
		<0.0043	<0.0043	<0.07	<0.07
212592V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		<1.2	<1.2	<0.03	<0.03

COMMENTS:

RH71827

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 9202



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OXYCHEM
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DEER PARK

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SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Milligrams Back	Front	PPM Back
212592V	ETHYLENE DICHLORIDE	<0.0043	<0.0043	<0.08	<0.08
412592V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		<1.2	<1.2	<0.03	<0.03
812592V	ETHYLENE DICHLORIDE BLANK.... BLANK	Front	Milligrams Back	Front	PPM Back
		<0.0043	<0.0043	<0.07	<0.07
112692V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Front	Milligrams Back	Front	PPM Back
		<0.0043	<0.0043	<0.07	<0.07
212692V	VINYL CHLORIDE	Front	Micrograms Back	Front	PPM Back
		61	<1.2	1.6	<0.03
	ETHYLENE DICHLORIDE	Front	Milligrams Back	Front	PPM Back
		0.014	<0.0043	0.23	<0.07

COMMENTS:

R#71827

< MEANS LESS THAN

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95% - ETHYLENE DICHLORIDE.

Respectfully submitted,

Joan A. Wronski

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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

REPORT DATE MAY. 18, 1992SAMPLES REC'D MAY. 13, 1992REQUEST NUMBER 155528PAGE NUMBER 3 OF REQUEST.

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

TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Micrograms		PPM	
		Front	Back	Front	Back
312692V	VINYL CHLORIDE	3.4	<1.2	0.09	<0.03
		Milligrams		PPM	
		Front	Back	Front	Back
	ETHYLENE DICHLORIDE	0.079	<0.0043	1.3	<0.07
		Micrograms		PPM	
		Front	Back	Front	Back
412692V	VINYL CHLORIDE	15	<1.2	0.39	<0.03
		Milligrams		PPM	
		Front	Back	Front	Back
	ETHYLENE DICHLORIDE	0.046	<0.0043	0.74	<0.07
		Micrograms		PPM	
		Front	Back	Front	Back
512692V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
		Milligrams		PPM	
		Front	Back	Front	Back
	ETHYLENE DICHLORIDE	<0.0043	<0.0043	<0.07	<0.07
B12692V	BLANK.... BLANK	NONE DETECTED			
		Micrograms		PPM	
		Front	Back	Front	Back
112792V	VINYL CHLORIDE	11	<1.2	0.32	<0.03

COMMENTS:

RH71827

< MEANS LESS THAN

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Respectfully submitted,

Joan A. Wronski, CIH, Manager
 Environmental Sciences Laboratory

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OCC 9204

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

REPORT DATE MAY. 18, 1992

SAMPLES REC'D MAY. 13, 1992

REQUEST NUMBER 155528

PAGE NUMBER 4 OF REQUEST.

TO:

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

TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Milligrams		PPM	
		Front	Back	Front	Back
112792V	ETHYLENE DICHLORIDE	0.039	<0.0043	0.68	<0.08
		Micrograms		PPM	
		Front	Back	Front	Back
212792V	VINYL CHLORIDE	<1.2	<1.2	<0.03	<0.03
		Milligrams		PPM	
		Front	Back	Front	Back
	ETHYLENE DICHLORIDE	0.027	<0.0043	0.47	<0.08

COMMENTS:

RH71827

< 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

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OCC 9205

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE MAY. 18, 1992SAMPLES REC'D MAY. 13, 1992REQUEST NUMBER 155529PAGE NUMBER 1 OF REQUEST.

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

TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
B12792V	BLANK.... BLANK	NONE DETECTED			
112992V	VINYL CHLORIDE	Micrograms		PPM	
		Front	Back	Front	Back
		12	<1.2	0.33	<0.03
	ETHYLENE DICHLORIDE	Milligrams		PPM	
		Front	Back	Front	Back
		<0.0043	<0.0043	<0.07	<0.07
212992V	VINYL CHLORIDE	Micrograms		PPM	
		Front	Back	Front	Back
		<1.2	<1.2	<0.03	<0.03
	ETHYLENE DICHLORIDE	Milligrams		PPM	
		Front	Back	Front	Back
		<0.0043	<0.0043	<0.07	<0.07
B12992V	BLANK.... BLANK	NONE DETECTED			

< 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 9206

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Long Grove, Illinois 60049-0075
(708) 540-2488 • Fax (708) 540-4331

ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE MAY. 18, 1992

SAMPLES REC'D MAY. 13, 1992

REQUEST NUMBER 155528

PAGE NUMBER OF REQUEST.

TO:

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

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OCC 9207

**NATLSCO**

National Loss Control Service Corporation

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

One Kemper Drive
Long Grove, IL 60049-0075 • 708/540-2488Name GENE STEELETitle CHEMISTFirm OCCIDENTAL CHEM. CORP.Address P.O. BOX 500DEER PARK TX 77536Bus. Tel. No. (713) 479 5344

No. 155528

ANALYSIS REQUEST

#4

FIELD NUMBER	SAMPLING VOLUME	ANALYZE FOR-	LABORATORY NO.	RESULTS
411592V	14.1	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)	038267	✓
511592V	14.8	"	038268	✓
B11592V	N/A	BLANK	038269	✓
112592V	14.3	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)	038270	✓
212592V	14.2	"	038271	✓
412592V	14.5	"	038272	✓
B12592V	N/A	BLANK	038273	✓
112692V	14.7	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)	038274	✓
212692V	14.8	"	038275	✓
312692V	14.7	"	038276	✓
412692V	15.2	"	038277	✓
512692V	14.6	"	038278	✓
B12692V	N/A	BLANK	038279	✓
112792V	14.1	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)	038280	✓
212792V	14.1	"	038281	✓

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

GC, P.138, 2-20

OCC 9208

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. 155529

ANALYSIS REQUEST

[illegible]

COMMENTS:

DATE SAMPLES TAKEN _____

DATE RECEIVED BY
LABORATORY,

5/13/92
DATE COMPLETED

ANALYTICAL METHOD:

OCC 9209

Ship To

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



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. HB35027]-024	WORK ORDER NO.	DATE RELEASED	REQUIRED DATE	SHIP DATE 5-11-92	REQUISITION NO. R71827
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
2	6	7	21	4	9	9	6
1					6	1	1

STOCK NO.	ITEM	QUANTITY	U/M	DESCRIPTION	PRICE
		19	ea.	CHARCOAL TUBES FOR VINYL CHLORIDE AND 1,2 DICHLOROTHANE (EDC) ANALYSIS - NUMBERED AS FOLLOWS: 411592V, 511592V, 811592V, 112592V, 212592V, 412592V, B12592V, 112692V, 212692V, 312692V, 412692V, 512692V, B12692V, 112792V, 212792V, B12792V, 112992V, 212992V, B12992V	
				ANALYSIS REQUEST # 155528 & 155529	

RELEASE COMPLETED	DATE	RELEASE NO.	REVIEW DATE	Occidental Chemical Corporation
REQUISITION NO. R 71827	RELEASE ENTRY BY	DATE	Eugene R. Steele Per	

OCC 9210

SOURCE

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>411592V, 511592V, B11592V</u>	<u>4-24-92 0700 - 1500</u>
<u>112592V, 212592V, 412592V,</u>	<u>5-4-92 0700 - 1500</u>
<u>B12592V</u>	<u>✓</u>
<u>112692V, 212692V, 312692V,</u>	<u>5-5-92 0600 - 1800</u>
<u>412692V, 512692V, B12692V</u>	<u>✓</u>
<u>112792V, 212792V, B12792V</u>	<u>5-6-92 ✓</u>
<u>112992V, 212992V, B12992V</u>	<u>5-8-92 ✓</u>

II. Sampler ID

(M) Name: AW WARNER
 (O) Title: SR. LAB TECH

III. Custody Changes

(M) Released By: AW 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): _____

**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. 155528

ANALYSIS REQUEST

FIELD NUMBER	SAMPLING VOLUME	ANALYZE FOR--	LABORATORY NO.	RESULTS
4/1592V	14.1	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)		
5/1592V	14.8	"		
B/1592V	N/A	BLANK		
1/2592V	14.3	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)		
2/2592V	14.2	}		
4/2592V	14.5			
B/2592V	N/A	BLANK		
1/2692V	14.7	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)		
2/2692V	14.8	}		
3/2692V	14.7			
4/2692V	15.2			
5/2692V	14.6			
B/2692V	N/A	BLANK		
1/2792V	14.1	VINYL CHLORIDE 1,2-DICHLOROETHANE (EDC)		
2/2792V	14.1	"		

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

Name GENE STEELE

Title CHEMIST

Firm OCCIDENTAL CHEM CORP

Address P.O. Box 500

DEER PARK, TX 77536

Bus. Tel. No. (713) 479 5344

ANALYSIS REQUEST

No. 155529

[illegible]

COMMENTS:

DATE SAMPLES TAKEN _____

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

OCC 9214