

**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 AUG. 13, 1991SAMPLES REC'D AUG. 6, 1991REQUEST NUMBER 160306PAGE NUMBER 1 OF REQUEST.

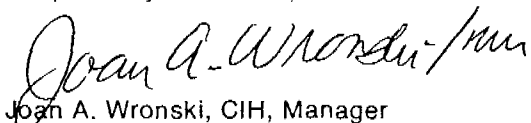
TO: DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Micrograms		mg/m3	
073091-D1	WEIGHT GAIN	220		0.23	
073091-D2	WEIGHT GAIN	410		0.47	
073091-D3	WEIGHT GAIN	300		0.33	
		Micrograms		PPM	
		Front	Back	Front	Back
073091-D4	VINYL CHLORIDE	16	4.1	0.26	0.07
073091-D5	VINYL CHLORIDE	31	<1.1	0.69	<0.02
073091-D6	VINYL CHLORIDE	9.0	<1.1	0.21	<0.03
		Milligrams		PPM	
		Front	Back	Front	Back
073091-D8	ISOPROPYL ALCOHOL METHYL ALCOHOL	<0.0047	<0.0047	<1.0	<1.0
		0.092	<0.0049	4.5	<1.0
		Micrograms		PPM	
		Front	Back	Front	Back
073091-D9	VINYL CHLORIDE	740	600	18	15
073091-D10	VINYL CHLORIDE	<1.1	<1.1	<0.03	<0.03
073091-D11	VINYL CHLORIDE	1.7	<1.1	0.04	<0.03

< MEANS LESS THAN

THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:
60% - ISOPROPYL ALCOHOL, 85% - METHYL ALCOHOL.

Respectfully submitted,


Joan A. Wronski, CIH, Manager

Environmental Sciences Laboratory

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OCC 11235

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

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REPORT DATE AUG. 13, 1991SAMPLES REC'D AUG. 6, 1991REQUEST NUMBER 160306

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TO:

DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Micrograms		PPM	
		Front	Back	Front	Back
073091-D12	VINYL CHLORIDE	33	9.0	0.78	0.22
073091-D13	VINYL CHLORIDE	18	1.8	0.38	0.04
		Milligrams		PPM	
		Front	Back	Front	Back
073091-D14	ISOPROPYL ALCOHOL	<0.0047	<0.0047	<1.0	<1.0
	METHYL ALCOHOL	<0.0049	<0.0049	<1.0	<1.0
073091-D20	BLANK.... ISOPROPYL ALCOHOL	NONE DETECTED			
	BLANK.... METHYL ALCOHOL	NONE DETECTED			

C MEANS LESS THAN

THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:

60% - ISOPROPYL ALCOHOL, 85% - METHYL ALCOHOL.

(2)

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
073091-D30	BLANK.... VINYL CHLORIDE	NONE DETECTED			
073091-D40	BLANK.... WEIGHT GAIN	AVERAGED & SUBT.			
		Micrograms		PPM	
6142	VINYL CHLORIDE	7.2		0.10	
5900	VINYL CHLORIDE	16		0.22	
6115	BLANK.... VINYL CHLORIDE	NONE DETECTED			
		Front	Micrograms Back	Front	PPM Back
073091-C1	VINYL CHLORIDE	4.1	1.1	0.11	0.03
073091-C2	VINYL CHLORIDE	8.0	<1.1	0.20	<0.03
073091-C3	VINYL CHLORIDE	<1.1	<1.1	<0.03	<0.03
073091-S1	VINYL CHLORIDE	96	7.0	2.0	0.14
073091-S2	VINYL CHLORIDE	<1.1	<1.1	<0.02	<0.02
073091-S3	VINYL CHLORIDE	45	4.8	1.0	0.11
		Micrograms		mg/m3	
073091-S4	WEIGHT GAIN	840		0.62	
073091-S5	WEIGHT GAIN	480		0.36	

< MEANS LESS THAN

Respectfully submitted,

Joan A. Wronski/mw

Joan A. Wronski, CIH, Manager
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P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Micrograms Back	Front	PPM Back
073091-D14	VINYL CHLORIDE	9.9	5.7	0.16	0.09

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Micrograms	PPM
5650	VINYL CHLORIDE	93	1.4
5651	VINYL CHLORIDE	<1.1	<0.02
5826	VINYL CHLORIDE	1.6	0.02

< MEANS LESS THAN

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE AUG. 13, 1991SAMPLES REC'D AUG. 6, 1991REQUEST NUMBER 160309PAGE NUMBER 1 OF REQUEST.

TO: DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Micrograms	mg/m3		
073191-D4	WEIGHT GAIN	390	0.42		
073191-D6	WEIGHT GAIN	70	0.065		
073191-D5	WEIGHT GAIN	110	0.12		
073191-D3	WEIGHT GAIN	30	0.036		
073191-D8	CHROMIUM	4.2	0.033		
	MAGNESIUM	0.30	0.0023		
	NICKEL	0.50	0.0039		
	IRON OXIDE	10	0.082		
		Front	Micrograms Back	Front	PPM Back
073191-D7	VINYL CHLORIDE	<1.3	<1.3	<0.03	<0.03
073191-D2	VINYL CHLORIDE	<1.3	<1.3	<0.03	<0.03
073191-D9	VINYL CHLORIDE	<1.3	<1.3	<0.02	<0.02
073191-01	VINYL CHLORIDE	8.3	<1.3	0.18	<0.03
073191-D10	VINYL CHLORIDE	16	<1.3	0.36	<0.03
073191-D20	BLANK....	CHROMIUM	SUBTRACTED		
	BLANK....	MAGNESIUM	SUBTRACTED		
	BLANK....	NICKEL	SUBTRACTED		

< MEANS LESS THAN

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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REQUEST NUMBER 160309

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TO:

DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS
073191-D20	BLANK.... IRON OXIDE	SUBTRACTED
073191-D30	BLANK.... VINYL CHLORIDE	NONE DETECTED
073191-D40	BLANK.... WEIGHT GAIN	AVERAGED & SUBT.

Respectfully submitted,

Joan A. Wronski

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

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REQUEST NUMBER 160310

PAGE NUMBER 1 OF REQUEST.

TO: DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Micrograms		PPM	
		Front	Back	Front	Back
080191-C1	VINYL CHLORIDE	<1.3	<1.3	<0.07	<0.07
080191-C2	VINYL CHLORIDE	<1.3	<1.3	<0.08	<0.08
080191-C3	VINYL CHLORIDE	<1.3	<1.3	<0.04	<0.04
080191-C4	VINYL CHLORIDE	12	<1.3	0.27	<0.03
080191-C5	VINYL CHLORIDE	2.6	<1.3	0.06	<0.03
080191-C6	VINYL CHLORIDE	<1.3	<1.3	<0.03	<0.03
080191-C7	VINYL CHLORIDE	<1.3	<1.3	<0.03	<0.03
080191-S30	BLANK.... VINYL CHLORIDE	NONE DETECTED			
		Micrograms		PPM	
		Front	Back	Front	Back
080191-S1	VINYL CHLORIDE	2.6	<1.3	0.05	<0.03
080191-S2	VINYL CHLORIDE	14	<1.3	0.30	<0.03
080191-S3	VINYL CHLORIDE	5.1	<1.3	0.11	<0.03
080191-S4	VINYL CHLORIDE	<1.3	<1.3	<0.03	<0.03
080191-S5	VINYL CHLORIDE	<1.1	<1.1	<0.02	<0.02

< MEANS LESS THAN

Respectfully submitted,

Joan A. Wronski/mw

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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TO: DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Micrograms Back	Front	PPM Back
080191-S7	VINYL CHLORIDE	1.2	<1.1	0.03	<0.03
080191-S8	VINYL CHLORIDE	5.5	<1.1	0.12	<0.02

< MEANS LESS THAN

Respectfully submitted,

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

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE AUG. 13, 1991SAMPLES REC'D AUG. 6, 1991REQUEST NUMBER 160311PAGE NUMBER 1 OF REQUEST.

TO: DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Front	Micrograms Back	Front	PPM Back
080191-S10	VINYL CHLORIDE	<1.1	<1.1	<0.32	<0.32
080191-S11	VINYL CHLORIDE	<1.1	<1.1	<0.31	<0.31
080191-S12	VINYL CHLORIDE	<1.1	<1.1	<0.31	<0.31
080191-S40	BLANK... WEIGHT GAIN	AVERAGED & SUBT.			
080191-S9	WEIGHT GAIN	Micrograms	mg/m3		
		920	0.68		
7087	VINYL CHLORIDE	Micrograms	PPM		
		<1.1	<0.02		
6165	VINYL CHLORIDE	2.0	0.03		
6736	BLANK... VINYL CHLORIDE	NONE DETECTED			

< MEANS LESS THAN

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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

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ENVIRONMENTAL SCIENCES LABORATORY, K-2

REPORT DATE AUG. 13, 1991SAMPLES REC'D AUG. 6, 1991REQUEST NUMBER 160312PAGE NUMBER 1 OF REQUEST.

TO: DONALD W. WATSON
 OCCIDENTAL CHEMICAL CORP.
 P.O. BOX 500
 DEER PARK TX 77536

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS			
		Micrograms		PPM	
		Front	Back	Front	Back
080291-S1	VINYL CHLORIDE	7.3	<1.1	0.17	<0.02
080291-C1	VINYL CHLORIDE	8.5	<1.1	0.20	<0.03
080291-S2	VINYL CHLORIDE	3.8	<1.1	0.09	<0.02
080291-C2	VINYL CHLORIDE	15	<1.1	0.36	<0.03
080291-S3	VINYL CHLORIDE	16	<1.1	0.36	<0.02
080291-C3	VINYL CHLORIDE	4.0	<1.1	0.09	<0.03
		Milligrams		PPM	
		Front	Back	Front	Back
080291-S4	ISOPROPYL ALCOHOL	<0.0047	<0.0047	<1.0	<1.0
	METHYL ALCOHOL	0.048	<0.0049	2.2	<1.0
080291-C4	ISOPROPYL ALCOHOL	<0.0047	<0.0047	<1.0	<1.0
	METHYL ALCOHOL	0.033	0.022	2.2	1.5
		Micrograms		PPM	
		Front	Back	Front	Back
080291-S6	VINYL CHLORIDE	<1.1	<1.1	<0.02	<0.02
080291-C10	VINYL CHLORIDE	<1.1	<1.1	<0.07	<0.07
		Micrograms		PPM	
7097	VINYL CHLORIDE	2.9		0.04	

< MEANS LESS THAN

THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:
 60% - ISOPROPYL ALCOHOL, 85% - METHYL ALCOHOL.

Respectfully submitted,

Joan A. Wronski, CIH, Manager
 Environmental Sciences Laboratory

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TO: DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
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SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Micrograms	PPM
5660	VINYL CHLORIDE	7.0	0.10
5755	VINYL CHLORIDE	2.7	0.04
080291-D50	BLANK.... VINYL CHLORIDE		NONE DETECTED
080291-D60	BLANK.... ISOPROPYL ALCOHOL		NONE DETECTED
	BLANK.... METHYL ALCOHOL		NONE DETECTED

Respectfully submitted,

Joan A. Wronski /nm
Joan A. Wronski, CIH, Manager
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TO:

DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
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SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS
5545	BLANK.... VINYL CHLORIDE	NONE DETECTED

Respectfully submitted,

Joan A. Wronski /mm

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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TO:

DONALD W. WATSON
OCCIDENTAL CHEMICAL CORP.
P.O. BOX 500
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	ANALYSIS REQUESTED	METHODOLOGY
	CHROMIUM	OSHA METHOD ID-121 EQUIVALENT
	IRON OXIDE	OSHA METHOD ID-121 EQUIVALENT
	ISOPROPYL ALCOHOL	OSHA METHOD 07 EQUIVALENT
	MAGNESIUM	OSHA METHOD ID-121 EQUIVALENT
	METHYL ALCOHOL	OSHA METHOD 07 EQUIVALENT
	NICKEL	OSHA METHOD ID-121 EQUIVALENT
	VINYL CHLORIDE	OSHA METHOD 04
	WEIGHT GAIN	NIOSH METHOD 0600

Respectfully submitted,

Joan A. Wronski /mm

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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