

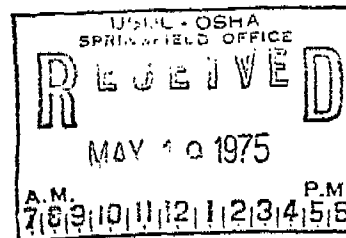


DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

NATIONAL INSTITUTE FOR OCCUPATIONAL
SAFETY AND HEALTH

May 15, 1975

Janice Lewine
USDOL - OSHA
Federal Bldg., Room 501
436 Dwight Street
Springfield, Massachusetts 01103



Dear Ms. Lewine:

Enclosed are copies of the Analyst Worksheet and Sample Identification Sheet for samples no. T-16964 through T-16994 (field sample nos. 1-SP-75-340 through 370).

Sincerely yours,

Floyd A. Madsen

Floyd A. Madsen
OSHA Lab. Coord.

Enclosures

RSU0025290
RECEIVED

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-340		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16964	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) <i>in succession</i> IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.63 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS <i>Lee Chambers</i>			
14. REMARKS					

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SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-341		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16965	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.63 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS Back-up tube					

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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-342		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16966	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins.				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.81 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS d.c.			
14. REMARKS					

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SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SF-75-343		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16967	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.81 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS D.C.			
14. REMARKS Back-up tube					

ORIGINAL

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SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-344		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16968	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanot Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.83 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

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DEV0075295

1-SP-75-345		May 7, 1975		May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16969	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY HAMPDEN	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.83 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS BACK-UP TUBE					

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RSV0025296

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-346		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16970	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.91 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

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DET00025297

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-348		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16972	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	charcoal tubes (sample & backup) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.27 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

ORIGINAL

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DEV0025298

SAMPLE IDENTIFICATION SHEET

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-347		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16971	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.91 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS BACK-UP TUBE					

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RSV0025299

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-349		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16973	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.27 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS BACK-UP TUBE					

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-350		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16974	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.15 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

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SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-351		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16975	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup)				
	IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.15 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS BACK-UP TUBE					

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DE17025302

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-352		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16976	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.58 liters BP (mm) T (C)					
POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975			13. CHEMISTS A.C.		
14. REMARKS					

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RSV0025303

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-353		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16977	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup)				
	IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.58 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS BACK-UP TUBE					

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RSV0025304

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-354		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16978	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 4.84 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975			13. CHEMISTS A.C.		
14. REMARKS					

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SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-355		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16979	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) _____ IMPING & _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 4.84 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS H.C.			
14. REMARKS Back-up Tube					

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DSV0075306

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Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-356		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16980	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 2.93 Liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

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RSV0025307

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SF-75-357		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16981	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 2.93 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS R.C.			
14. REMARKS BACK-UP TUBE					

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Dec. 1971

DET/0025308

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-358		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins.				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.47 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

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Dec. 1971

RSV0025309

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-359		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16983	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins.				
SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.47 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS Back-up Tube					

RSV0025310

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-360		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16984	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup)				
	IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐					
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.34 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

RSV0025311

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-361		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16985	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins.				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & back-up) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.34 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS M.C.			
14. REMARKS BACK-UP TUBE					

RSV0025312

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-362		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16986	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester, Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins.				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & back-up) IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.22 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

ORIGINAL

Form OSHA-23
Dec. 1971

25313

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-363		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16987	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins.				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & back-up) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 6.22 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS BACK - UP TUBE					

RSV0025314

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 14 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-364		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16988	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & back-up) Lot #105				
	IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 4.43 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS					

ORIGINAL

Form OSHA-23
Rev. 1071

25315

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-365		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16989	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & back-up) IMPING R ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 4.43 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS Back-up Tube					

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-366		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16990	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden		STATE MA
	7. OPERATION Manufacturing PVC emulsion resins				
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & back-up) IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____ Lot #105				
	MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.20 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS R.C.			
14. REMARKS					

ORIGINAL

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Dec. 1971

new 25317

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 18 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-367		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice Lewis			5. LABORATORY NUMBER T-16991		
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard		COUNTY Hampden		STATE Mass
7. OPERATION Manufacturing PVC emulsion resins					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample + back-up) Lot # 105				
	IMPING R _____ BUBBLER _____ ESP _____ FILTER PAPER _____				
MATERIAL _____ BAGS _____ SETTLED DUST _____ GRAB SAMPLE _____					
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.20 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975			13. CHEMISTS H.C.		
14. REMARKS BACK-UP TUBE					

ORIGINAL

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Dec. 1971

25318

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-368		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16992	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,	COUNTY Hampden	STATE MA		
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	IMPING ☒ Charcoal tubes (sample & backup) BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.90 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975			13. CHEMISTS d.c.		
14. REMARKS					

DSV0025319

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MA, 12-1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-369		2. DATE TAKEN May 7, 1975		3. DATE SUBMITTED TO LAB May 8, 1975	
4. BY WHOM TAKEN Janice F. Lewine				5. LABORATORY NUMBER T-16993	
6. WHERE TAKEN	NAME OF ESTABLISHMENT Monsanto Company				
	STREET ADDRESS 730 Worcester Street				
	CITY Indian Orchard,		COUNTY Hampden	STATE MA	
7. OPERATION Manufacturing PVC emulsion resins.					
8. SAMPLING TECHNIQUE	Charcoal tubes (sample & backup) IMPING ☐ BUBBLER ☐ ESP ☐ FILTER PAPER ☐ Lot #105				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) 5.90 liters BP (mm) T (C)					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED VINYL CHLORIDE					
12. DATE REPORTED FROM LAB MAY 14 1975		13. CHEMISTS A.C.			
14. REMARKS BACK-UP TUBE					

RSV0025320

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SAMPLE IDENTIFICATION SHEET

MAY 12 1975

1. SAMPLE NUMBER (REGIONAL) 1-SP-75-370		2. DATE TAKEN 5/7/75		3. DATE SUBMITTED TO LAB 5/8/75	
4. BY WHOM TAKEN Daniele J. Levine				5. LABORATORY NUMBER T-16994	
6. WHERE TAKEN	NAME OF ESTABLISHMENT MONSANTO Co.				
	STREET ADDRESS 730 WORCESTER ST.				
	CITY INDIAN ORCHARD		COUNTY HAMPDEN	STATE MASS	
7. OPERATION Manufacturing PVC emulsion resins					
8. SAMPLING TECHNIQUE	IMPING ☒ <u>charc tube</u> BUBBLER ☐ ESP ☐ FILTER PAPER ☐				
	MATERIAL ☐ BAGS ☐ SETTLED DUST ☐ GRAB SAMPLE ☐				
9. AIR VOLUME SAMPLED (IN LITERS AND CUBIC FEET) _____ BP (mm) _____ T (C) _____					
10. POSSIBLE INTERFERENCES					
11. ANALYSIS REQUIRED <u>Vinyl Chloride</u>					
12. DATE REPORTED FROM LAB MAY 14 1975			13. CHEMISTS A.C.		
14. REMARKS BLANK					

SK Y PERSONAL SAMPLING PUMP
FIELD CALIBRATION WORKSHEET

LAB NO. 0584
L-1177

Page 1 of 1

Company Monsanto Indian Orchard

Charcoal Tube Mfg. SKC
Lot No. 105

ID NO.	NIOSH stated $\frac{cc}{stroke} = \frac{strokes}{100cc}$		DIAL SETTING		TIME FOR BUBBLE TO TRAVEL 100 CC (minutes)		FLOW RATE cc/min (table 2)		strokes/100cc		CAL
			BEFORE SURVEY	AFTER SURVEY	BEFORE SURVEY	AFTER SURVEY	BEFORE SURVEY	AFTER SURVEY	BEFORE SURVEY	AFTER SURVEY	
442✓	160	166	3.0	3.0	1.95		51		165 strokes 160	166 160	
831✓			3.0	3.0	1.95		51		203/ 199	202/ 199	
801✓			2.3	2.3	2.08		48		188/ 184	184/ 184	
826	158		2.1	2.1	2.00		50		179/ 178	178/ 178	
441			2.6		1.93						
917✓			2.4	2.4	1.93				181/ 180	181/ 180	

BEFORE SURVEY DATE May 5, 1975

Calibrator J. Lawrence

AFTER SURVEY DATE May 8, 1975

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

ANALYST WORKSHEET

1-SP-75-340

1. SAMPLE NUMBER T-16964	2. SEALS ☒ INTACT ☐ BROKEN ☐ NONE	3. DATE RECEIVED 5/12/75
4. RECEIVED FROM Lewine	5. REGION I	
6. DESCRIPTION OF SAMPLE C-Tube		
7. SUMMARY OF ANALYSIS The sample was desorbed with carbon disulfide and analyzed by gas chromatography. Air Volume = 5.63 liters ✓ Vinyl chloride = 2.25 ppm ✓		
8. RESERVE SAMPLE Used in analysis		
9. DATE REPORTED MAY 14 1975	10. ANALYST All Chambers	11. CALCULATIONS CHECKED BY E. E. King
		12. DATE CHECKED MAY 14 1975