



NATIONAL TRANSPORTATION SAFETY BOARD  
**Investigative Hearing**

Norfolk Southern Railway general merchandise freight train 32N  
derailment with subsequent hazardous material release and fires,  
in East Palestine, Ohio, on February 3, 2023

<b>GROUP</b>	<b>D</b>
<b>EXHIBIT</b>	
10	

Agency / Organization

**Oxy Vinyls, LP**

Title

**Certificate of Analysis VCM Tank Cars**



**Certificate of Analysis**  
**VINYL CHLORIDE - BULK**

OXY VINYLs, LP  
PEDRICKTOWN PLANT  
130 PORCUPINE ROAD  
PEDRICKTOWN NJ 08067

**Detailed Order Information**

Date  
01/24/2023  
Purchase order item/date  
  
Delivery item/date  
86330144 900001 / 01/17/2023  
Order item/date  
  
Customer Number  
P551375  
Container Number  
TILX402025

Attn: Shawn Hartman Fax#: [REDACTED]

Batch 5490M1C22A  
Net weight 178300.00 LB / Gross weight 261200.00 LB / Tare weight 82900.00 LB

Characteristic	Unit	Value	Specifications	
			Min.	Max.
PURITY	Wt. %	99.99	99.98	-
CLEAR/COLORLESS		YES		
SUSPENDED MATTER		NONE		
H2O	ppm	< 10	-	100
NON VOLATILE RESIDUE	ppm	< 25	-	50
ACIDITY as HCl	ppm	< 0.1	-	0.5
IRON	ppm	< 0.05	-	0.25
ACETYLENE	ppm	< 0.10	-	0.20
1,3-BUTADIENE	ppm	2.0	-	8.0
VINYL ACETYLENE	ppm	5.3	-	9.0
METHYL CHLORIDE	ppm	26.2	-	60.0
ETHYL CHLORIDE	ppm	13.9	-	
1,1-DICHLOROETHENE	ppm	0.8	-	10.0
1,2-DICHLOROETHANE (EDC)	ppm	< 0.5	-	10.0
TOTAL LO BOILERS	ppm	0.1	-	7.0
TOTAL HI BOILERS	ppm	15.4	-	30.0
O2 VAPOR B4 LOADING (CoC)	ppm(V)	< 200	-	200

ISSUED BY: LaPorte VCM QA Laboratory

Seal Numbers: 6315 3845

- (T) - Typical Value
- (ND) - Not Detected
- (CoC) - Compliance Value

**Oxy Vinyls - LaPorte Plant**  
**2400 Miller Cutoff Road**  
**LaPorte, TX 77571**  
**Tel: 281-476-8000 FAX: 281-476-8009**



**Certificate of Analysis**  
**VINYL CHLORIDE - BULK**

OXY VINYLs, LP  
PEDRICKTOWN PLANT  
130 PORCUPINE ROAD  
PEDRICKTOWN NJ 08067

**Detailed Order Information**

Date  
01/24/2023  
Purchase order item/date  
  
Delivery item/date  
86330143 900001 / 01/17/2023  
Order item/date  
  
Customer Number  
P551375  
Container Number  
OCPX080235

Attn: Shawn Hartman Fax#: [REDACTED]

Batch 5490M1C22A

Net weight 177250.00 LB / Gross weight 261250.00 LB / Tare weight 84000.00 LB

Characteristic	Unit	Value	Specifications	
			Min.	Max.
PURITY	Wt. %	99.99	99.98	-
CLEAR/COLORLESS		YES		
SUSPENDED MATTER		NONE		
H2O	ppm	< 10	-	100
NON VOLATILE RESIDUE	ppm	< 25	-	50
ACIDITY as HCl	ppm	< 0.1	-	0.5
IRON	ppm	< 0.05	-	0.25
ACETYLENE	ppm	< 0.10	-	0.20
1,3-BUTADIENE	ppm	2.0	-	8.0
VINYL ACETYLENE	ppm	5.3	-	9.0
METHYL CHLORIDE	ppm	26.2	-	60.0
ETHYL CHLORIDE	ppm	13.9	-	
1,1-DICHLOROETHENE	ppm	0.8	-	10.0
1,2-DICHLOROETHANE (EDC)	ppm	< 0.5	-	10.0
TOTAL LO BOILERS	ppm	0.1	-	7.0
TOTAL HI BOILERS	ppm	15.4	-	30.0
O2 VAPOR B4 LOADING (CoC)	ppm(V)	< 200	-	200

ISSUED BY: LaPorte VCM QA Laboratory

Seal Numbers: 6308-4644

(T) - Typical Value  
(ND) - Not Detected  
(CoC) - Compliance Value

**Oxy Vinyls - LaPorte Plant**  
**2400 Miller Cutoff Road**  
**LaPorte, TX 77571**  
**Tel: 281-476-8000 FAX: 281-476-8009**



**Certificate of Analysis**  
**VINYL CHLORIDE - BULK**

OXY VINYLs, LP  
PEDRICKTOWN PLANT  
130 PORCUPINE ROAD  
PEDRICKTOWN NJ 08067

<b>Detailed Order Information</b>	
Date	01/24/2023
Purchase order item/date	
Delivery item/date	86330142 900001 / 01/17/2023
Order Item/date	
Customer Number	P551375
Container Number	OCPX080179

Attn: Shawn Hartman Fax#: [REDACTED]

Batch **5490M1C22A**  
Net weight 177600.00 LB / Gross weight 261100.00 LB / Tare weight 83500.00 LB

Characteristic	Unit	Value	Specifications	
			Min.	Max.
PURITY	Wt. %	99.99	99.98	-
CLEAR/COLORLESS		YES		
SUSPENDED MATTER		NONE		
H2O	ppm	< 10	-	100
NON VOLATILE RESIDUE	ppm	< 25	-	50
ACIDITY as HCl	ppm	< 0.1	-	0.5
IRON	ppm	< 0.05	-	0.25
ACETYLENE	ppm	< 0.10	-	0.20
1,3-BUTADIENE	ppm	2.0	-	8.0
VINYL ACETYLENE	ppm	5.3	-	9.0
METHYL CHLORIDE	ppm	26.2	-	60.0
ETHYL CHLORIDE	ppm	13.9	-	
1,1-DICHLOROETHENE	ppm	0.8	-	10.0
1,2-DICHLOROETHANE (EDC)	ppm	< 0.5	-	10.0
TOTAL LO BOILERS	ppm	0.1	-	7.0
TOTAL HI BOILERS	ppm	15.4	-	30.0
O2 VAPOR B4 LOADING (CoC)	ppm(V)	< 200	-	200

ISSUED BY: LaPorte VCM QA Laboratory

Seal Numbers: 6321-4601

- (T) - Typical Value
- (ND) - Not Detected
- (CoC) - Compliance Value

**Oxy Vinylys - LaPorte Plant**  
**2400 Miller Cutoff Road**  
**LaPorte, TX 77571**  
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**Certificate of Analysis**  
**VINYL CHLORIDE - BULK**

OXY VINYLs, LP  
PEDRICKTOWN PLANT  
130 PORCUPINE ROAD  
PEDRICKTOWN NJ 08067

**Detailed Order Information**

Date  
01/24/2023  
Purchase order Item/date  
  
Delivery Item/date  
86330141 900001 / 01/17/2023  
Order Item/date  
  
Customer Number  
P551375  
Container Number  
GATX095098

Attn: Shawn Hartman Fax#: [REDACTED]

Batch 5490M1C22A  
Net weight 178150.00 LB / Gross weight 261350.00 LB / Tare weight 83200.00 LB

Characteristic	Unit	Value	Specifications	
			Min.	Max.
PURITY	Wt. %	99.99	99.98	-
CLEAR/COLORLESS		YES		
SUSPENDED MATTER		NONE		
H2O	ppm	< 10	-	100
NON VOLATILE RESIDUE	ppm	< 25	-	50
ACIDITY as HCl	ppm	< 0.1	-	0.5
IRON	ppm	< 0.05	-	0.25
ACETYLENE	ppm	< 0.10	-	0.20
1,3-BUTADIENE	ppm	2.0	-	8.0
VINYL ACETYLENE	ppm	5.3	-	9.0
METHYL CHLORIDE	ppm	26.2	-	60.0
ETHYL CHLORIDE	ppm	13.9	-	
1,1-DICHLOROETHENE	ppm	0.8	-	10.0
1,2-DICHLOROETHANE (EDC)	ppm	< 0.5	-	10.0
TOTAL LO BOILERS	ppm	0.1	-	7.0
TOTAL HI BOILERS	ppm	15.4	-	30.0
O2 VAPOR B4 LOADING (CoC)	ppm(V)	< 200	-	200

ISSUED BY: LaPorte VCM QA Laboratory

Seal Numbers: 6302-3834

- (T) - Typical Value
- (ND) - Not Detected
- (CoC) - Compliance Value

**Oxy Vinyls - LaPorte Plant**  
**2400 Miller Cutoff Road**  
**LaPorte, TX 77571**  
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**Certificate of Analysis**  
**VINYL CHLORIDE - BULK**

OXY VINYLs, LP  
PEDRICKTOWN PLANT  
130 PORCUPINE ROAD  
PEDRICKTOWN NJ 08067

<b>Detailed Order Information</b>	
Date	01/23/2023
Purchase order item/date	
Delivery item/date	86330134 900001 / 01/17/2023
Order item/date	
Customer Number	P551375
Container Number	OCPX080370

Attn: Shawn Hartman Fax#: [REDACTED]

Batch **5490M1C22A**  
Net weight 176100.00 LB / Gross weight 256900.00 LB / Tare weight 80800.00 LB

Characteristic	Unit	Value	Specifications	
			Min.	Max.
PURITY	Wt. %	99.99	99.98	-
CLEAR/COLORLESS		YES		
SUSPENDED MATTER		NONE		
H2O	ppm	< 10	-	100
NON VOLATILE RESIDUE	ppm	< 25	-	50
ACIDITY as HCl	ppm	< 0.1	-	0.5
IRON	ppm	< 0.05	-	0.25
ACETYLENE	ppm	< 0.10	-	0.20
1,3-BUTADIENE	ppm	2.0	-	8.0
VINYL ACETYLENE	ppm	5.3	-	9.0
METHYL CHLORIDE	ppm	26.2	-	60.0
ETHYL CHLORIDE	ppm	13.9	-	
1,1-DICHLOROETHENE	ppm	0.8	-	10.0
1,2-DICHLOROETHANE (EDC)	ppm	< 0.5	-	10.0
TOTAL LO BOILERS	ppm	0.1	-	7.0
TOTAL HI BOILERS	ppm	15.4	-	30.0
O2 VAPOR B4 LOADING (CoC)	ppm(V)	< 200	-	200

ISSUED BY: LaPorte VCM QA Laboratory

Seal Numbers: 6300-4621

- (T) - Typical Value
- (ND) - Not Detected
- (CoC) - Compliance Value

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**LaPorte, TX 77571**  
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