



Gascoyne Laboratories, Inc.

YOUR ON-TIME QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

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Report No: 9704087

Radian International
8501 North Mopac Blvd
Austin, TX 78759

Attn: Heidi Krall

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc.:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
DOW-VP-LW-31-V19-PHY, 15-Sep-1997	Liquid	970021039	25-Sep-1997
DOW-VP-LW-32-V18-PHY, 16-Sep-1997(1300)	Liquid	970021040	25-Sep-1997
DOW-VP-LW-33-V18-PHY, 16-Sep-1997(2000)	Liquid	970021041	25-Sep-1997
DOW-VP-LW-21-V15-PHY, 18-Sep-1997	Liquid	970021042	25-Sep-1997
DOW-VP-LW-22-V15-PHY, 18-Sep-1997	Liquid	970021043	25-Sep-1997
DOW-VP-LW-23-V12-PHY, 18-Sep-1997	Liquid	970021044	25-Sep-1997
DOW-VP-LW-11-V15-PHY, 17-Sep-1997	Liquid	970021045	25-Sep-1997
DOW-VP-LW-12-V13-PHY, 17-Sep-1997	Liquid	970021046	25-Sep-1997

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Report No: 9704087

Radian International
8501 North Mopac Blvd
Austin, TX 78759

Attn: Heidi Krall

Client Sample I.D.,
DOW-VP-LW-13-V13-PHY, 17-Sep-1997

Sample Type
Liquid

Lab Sample No.
970021047

Received by
Gascoyne
25-Sep-1997

This Report contains the following:

- A) Cover Letter
- B) Test Results
- C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339
West Virginia: 9901(C) and 054; New York: 11158; A2LA: 410.01; AIHA:8885; US Army Corps of Engineers;
and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: William L. Lock, Laboratory Director

11/2/97
Report issue date

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Report n : 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-31-V19-PHY collected on 15-Sep-97

Laboratory Sample Number: 970021039

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6300 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	65 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.6 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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Report no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-32-V18-PHY collected on 16-Sep-97(13:00)

Laboratory Sample Number: 970021040

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6700 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	58 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.5 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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Report no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-33-V18-PHY collected on 16-Sep-97(20:00)

Laboratory Sample Number: 970021041

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6400 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	65 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.5 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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Report no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-21-V15-PHY collected on 18-Sep-97
Laboratory Sample Number: 970021042

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6300 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	63 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.6 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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Rep rt no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-22-V15-PHY collected on 18-Sep-97
Laboratory Sample Number: 970021043

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6300 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	61 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.6 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/T st Notes:

Viscosity was determined at 21C.

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Report no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-23-V12-PHY collected on 18-Sep-97
Laboratory Sample Number: 970021044

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6400 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	65 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.5 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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Report no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-11-V15-PHY collected on 17-Sep-97
Laboratory Sample Number: 970021045

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6300 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	62 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.6 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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Report no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-12-V13-PHY collected on 17-Sep-97
Laboratory Sample Number: 970021046

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6400 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	58 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.6 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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Report no: 9704087

Client: Radian International

Sample Id: Submitted samples: DOW-VP-LW-13-V13-PHY collected on 17-Sep-97
Laboratory Sample Number: 970021047

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Residue on ignition	<0.01 %	0.01 %	ASTM-D 482	PRG	09-Oct-97
Heat of Combustion	6400 BTU/LB	500 BTU/LB	ASTM-D 3286	PRG	08-Oct-97
Density of Liquids	1.33 g/cc	0.001 g/cc	ASTM-D 4052	PRG	08-Oct-97
Total Halogens(as Cl)	67 %	0.05 %	ASTM-D808	PRG	07-Oct-97
Viscosity	1.6 cst	0.01 cst	ASTM-D445	PRG	08-Oct-97

Sample/Test Notes:

Viscosity was determined at 21C.

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