

FYI

C O V E R

FAX

S H E E T

To: eva chu, Hazardous Materials Specialist, ACHCSA
Fax #: 510-337-9335
Subject: San Leandro - Printpack Report - *AIR TOXICS DATA*
Date: August 4, 1998
Pages: ~~18~~
10 including this cover sheet.

FROM: Ed Shaw - CTEC-ESCM, Inc.

I will call later this week. Hard copy is in the mail.

Thanks,

Ed.

*Ask M. Logan about HVOCS vapor concentration
 which would be acceptable to indoor door air
 inhalation exposure pathway*

From the desk of...

CTEC-ESCM, Inc.
 P.O. Box 387
 Monroe, UT 84754

PH 435-527-3103
 Fax 435-527-3047

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 9807010

Work Order Summary

CLIENT: Mr. Edward Shaw **BILL TO:** Same
 CTEL-ESCM
 P.O. Box 387
 Montic, UT 84754

PHONE: 435-527-3103 **P.O. #** FAS7198
FAX: 435-527-3047 **PROJECT #** PRINTPACK @ SAN LEANDRO
DATE RECEIVED: 7/1/98
DATE COMPLETED: 7/16/98

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	PRINTPACK-A @ 3'	TO-14	0.2 psi
02A	PRINTPACK-B @ 3'	TO-14	0.2 psi
03A	PRINTPACK-C @ 3'	TO-14	0.4 psi
04A	Lab Blank	TO-14	NA

CERTIFIED BY:



Laboratory Director
DATE: 7-16-98

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
 (916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

AIR TOXICS LTD.

SAMPLE NAME : PRINTPACK-A @ 3'

ID#: 9807010-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1070824	Date of Collection:	7/1/98
Dil. Factor:	7.96	Date of Analysis:	7/9/98

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	4.0	Not Detected
Freon 114	4.0	Not Detected
Chloromethane	4.0	Not Detected
Vinyl Chloride	4.0	Not Detected
Bromomethane	4.0	Not Detected
Chloroethane	4.0	Not Detected
Freon 11	4.0	Not Detected
1,1-Dichloroethene	4.0	Not Detected
Freon 113	4.0	Not Detected
Methylene Chloride	4.0	Not Detected
1,1-Dichloroethane	4.0	Not Detected
cis-1,2-Dichloroethene	4.0	Not Detected
Chloroform	4.0	Not Detected
1,1,1-Trichloroethane	4.0	Not Detected
Carbon Tetrachloride	4.0	Not Detected
Benzene	4.0	Not Detected
1,2-Dichloroethane	4.0	Not Detected
Trichloroethene	4.0	Not Detected
1,2-Dichloropropane	4.0	Not Detected
cis-1,3-Dichloropropene	4.0	Not Detected
Toluene	4.0	220
trans-1,3-Dichloropropene	4.0	Not Detected
1,1,2-Trichloroethane	4.0	Not Detected
Tetrachloroethene	4.0	Not Detected
Ethylene Dibromide	4.0	Not Detected
Chlorobenzene	4.0	Not Detected
Ethyl Benzene	4.0	6.9
m,p-Xylene	4.0	24
o-Xylene	4.0	4.3
Styrene	4.0	Not Detected
1,1,2,2-Tetrachloroethane	4.0	Not Detected
1,3,5-Trimethylbenzene	4.0	Not Detected
1,2,4-Trimethylbenzene	4.0	6.1
1,3-Dichlorobenzene	4.0	Not Detected
1,4-Dichlorobenzene	4.0	Not Detected
Chlorotoluene	4.0	Not Detected
1,2-Dichlorobenzene	4.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected
Hexachlorobutadiene	4.0	Not Detected
Propylene	16	Not Detected
1,3-Butadiene	16	Not Detected
Acetone	16	Not Detected
Carbon Disulfide	16	Not Detected
2-Propanol	16	Not Detected
trans-1,2-Dichloroethene	16	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : PRINTPACK-A @ 3'

ID#: 9807010-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1070825	Date of Collection:	7/1/98
Dil. Factor:	7.96	Date of Analysis:	7/9/98

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Acetate	16	Not Detected
2-Butanone (Methyl Ethyl Ketone)	16	Not Detected
Hexane	16	Not Detected
Tetrahydrofuran	16	Not Detected
Cyclohexane	16	Not Detected
1,4-Dioxane	16	Not Detected
Bromodichloromethane	16	Not Detected
4-Methyl-2-pentanone	16	Not Detected
2-Hexanone	16	Not Detected
Dibromochloromethane	16	Not Detected
Bromoform	16	Not Detected
4-Ethyltoluene	16	Not Detected
Ethanol	16	Not Detected
Methyl tert-Butyl Ether	16	Not Detected
Heptane	16	81

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	97	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130

AIR TOXICS LTD.

SAMPLE NAME : PRINTPACK-B @ 3'

ID#: 9807010-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1070926	Date of Collection:	7/ 1/99
DR. Factor:	7.98	Date of Analysis:	7/ 9/99

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	4.0	Not Detected
Freon 114	4.0	Not Detected
Chloromethane	4.0	Not Detected
Vinyl Chloride	4.0	Not Detected
Bromomethane	4.0	Not Detected
Chloroethane	4.0	Not Detected
Freon 11	4.0	Not Detected
1,1-Dichloroethene	4.0	Not Detected
Freon 113	4.0	Not Detected
Methylene Chloride	4.0	Not Detected
1,1-Dichloroethane	4.0	Not Detected
cis-1,2-Dichloroethene	4.0	Not Detected
Chloroform	4.0	Not Detected
1,1,1-Trichloroethane	4.0	Not Detected
Carbon Tetrachloride	4.0	Not Detected
Benzene	4.0	Not Detected
1,2-Dichloroethane	4.0	Not Detected
Trichloroethene	4.0	Not Detected
1,2-Dichloropropane	4.0	Not Detected
cis-1,3-Dichloropropene	4.0	Not Detected
Toluene	4.0	290
trans-1,3-Dichloropropene	4.0	Not Detected
1,1,2-Trichloroethane	4.0	Not Detected
Tetrachloroethene	4.0	Not Detected
Ethylene Dibromide	4.0	Not Detected
Chlorobenzene	4.0	Not Detected
Ethyl Benzene	4.0	7.4
m,p-Xylene	4.0	27
o-Xylene	4.0	6.1
Styrene	4.0	Not Detected
1,1,2,2-Tetrachloroethane	4.0	Not Detected
1,3,5-Trimethylbenzene	4.0	4.2
1,2,4-Trimethylbenzene	4.0	5.6
1,3-Dichlorobenzene	4.0	Not Detected
1,4-Dichlorobenzene	4.0	Not Detected
Chlorotoluene	4.0	Not Detected
1,2-Dichlorobenzene	4.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected
Hexachlorobutadiene	4.0	Not Detected
Propylene	16	Not Detected
1,3-Butadiene	16	Not Detected
Acetone	16	Not Detected
Carbon Disulfide	16	Not Detected
2-Propanol	16	Not Detected
trans-1,2-Dichloroethene	16	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : PRINTPACK-B @ 3'

ID#: 9807010-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1070826	Date of Collection:	7/1/98
Dil. Factor:	7.05	Date of Analysis:	7/9/98

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Acetate	16	Not Detected
2-Butanone (Methyl Ethyl Ketone)	16	Not Detected
Hexane	16	Not Detected
Tetrahydrofuran	16	Not Detected
Cyclohexane	16	Not Detected
1,4-Dioxane	16	Not Detected
Bromodichloromethane	16	Not Detected
4-Methyl-2-pentanone	16	Not Detected
2-Hexanone	16	Not Detected
Dibromochloromethane	16	Not Detected
Bromoform	16	Not Detected
4-Ethyltoluene	16	Not Detected
Ethanol	16	Not Detected
Methyl tert-Butyl Ether	16	Not Detected
Heptane	16	80

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	94	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130

AIR TOXICS LTD.

SAMPLE NAME : PRINTPACK-C @ 3'

ID#: 9807010-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1070837	Date of Collection: 7/ 1/98
Dil. Factor:	19.7	Date of Analysis: 7/ 9/98

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	9.9	Not Detected
Freon 114	9.9	Not Detected
Chloromethane	9.9	Not Detected
Vinyl Chloride	9.9	18
Bromomethane	9.9	Not Detected
Chloroethane	9.9	Not Detected
Freon 11	9.9	Not Detected
1,1-Dichloroethene	9.9	Not Detected
Freon 113	9.9	Not Detected
Methylene Chloride	9.9	Not Detected
1,1-Dichloroethane	9.9	Not Detected
cis-1,2-Dichloroethene	9.9	17
Chloroform	9.9	Not Detected
1,1,1-Trichloroethane	9.9	Not Detected
Carbon Tetrachloride	9.9	Not Detected
Benzene	9.9	68
1,2-Dichloroethane	9.9	12
Trichloroethene	9.9	10
1,2-Dichloropropane	9.9	Not Detected
cis-1,3-Dichloropropene	9.9	Not Detected
Toluene	9.9	2300
trans-1,3-Dichloropropene	9.9	Not Detected
1,1,2-Trichloroethane	9.9	Not Detected
Tetrachloroethene	9.9	Not Detected
Ethylene Dibromide	9.9	Not Detected
Chlorobenzene	9.9	Not Detected
Ethyl Benzene	9.9	Not Detected
m,p-Xylene	9.9	26
o-Xylene	9.9	Not Detected
Styrene	9.9	Not Detected
1,1,2,2-Tetrachloroethane	9.9	Not Detected
1,3,5-Trimethylbenzene	9.9	Not Detected
1,2,4-Trimethylbenzene	9.9	Not Detected
1,3-Dichlorobenzene	9.9	Not Detected
1,4-Dichlorobenzene	9.9	Not Detected
Chlorotoluene	9.9	Not Detected
1,2-Dichlorobenzene	9.9	Not Detected
1,2,4-Trichlorobenzene	9.9	Not Detected
Hexachlorobutadiene	9.9	Not Detected
Propylene	39	Not Detected
1,3-Butadiene	39	Not Detected
Acetone	39	Not Detected
Carbon Disulfide	39	Not Detected
2-Propanol	39	Not Detected
trans-1,2-Dichloroethene	39	Not Detected

AIR TOXICS LTD.

--SAMPLE NAME : PRINTPACK-C @ 3'

ID#: 9807010-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1070827	Date of Collection:	7/ 1/98
Det. Factor:	19.7	Date of Analysis:	7/ 9/98

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Acetate	39	Not Detected
2-Butanone (Methyl Ethyl Ketone)	39	Not Detected
Hexane	39	Not Detected
Tetrahydrofuran	39	Not Detected
Cyclohexane	39	Not Detected
1,4-Dioxane	39	Not Detected
Bromodichloromethane	39	Not Detected
4-Methyl-2-pentanone	39	Not Detected
2-Hexanone	39	Not Detected
Dibromochloromethane	39	Not Detected
Bromoform	39	Not Detected
4-Ethyltoluene	39	Not Detected
Ethanol	39	Not Detected
Methyl tert-Butyl Ether	39	Not Detected
Heptane	39	92

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	97	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	85	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 9807010-04A

EPA METHOD TO-14 GC/MS Full Scan

File Name	1070604	Date of Collection	NA
Drift Factor	1.00	Date of Analysis	7/8/98

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	0.50	Not Detected
Freon 114	0.50	Not Detected
Chloromethane	0.50	Not Detected
Vinyl Chloride	0.50	Not Detected
Bromomethane	0.50	Not Detected
Chloroethane	0.50	Not Detected
Freon 11	0.50	Not Detected
1,1-Dichloroethane	0.50	Not Detected
Freon 113	0.50	Not Detected
Methylene Chloride	0.50	Not Detected
1,1-Dichloroethane	0.50	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected
Chloroform	0.50	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected
Carbon Tetrachloride	0.50	Not Detected
Benzene	0.50	Not Detected
1,2-Dichloroethane	0.50	Not Detected
Trichloroethene	0.50	Not Detected
1,2-Dichloropropane	0.50	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected
Toluene	0.50	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected
Tetrachloroethene	0.50	Not Detected
Ethylene Dibromide	0.50	Not Detected
Chlorobenzene	0.50	Not Detected
Ethyl Benzene	0.50	Not Detected
m,p-Xylene	0.50	Not Detected
o-Xylene	0.50	Not Detected
Styrene	0.50	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected
Chlorotoluene	0.50	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected
Hexachlorobutadiene	0.50	Not Detected
Propylene	2.0	Not Detected
1,3-Butadiene	2.0	Not Detected
Acetone	2.0	Not Detected
Carbon Disulfide	2.0	Not Detected
2-Propanol	2.0	Not Detected
trans-1,2-Dichloroethene	2.0	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 9807010-04A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1070804	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/5/98

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Acetate	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected
Hexane	2.0	Not Detected
Tetrahydrofuran	2.0	Not Detected
Cyclohexane	2.0	Not Detected
1,4-Dioxane	2.0	Not Detected
Bromodichloromethane	2.0	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected
2-Hexanone	2.0	Not Detected
Dibromochloromethane	2.0	Not Detected
Bromoform	2.0	Not Detected
4-Ethyltoluene	2.0	Not Detected
Ethanol	2.0	Not Detected
Methyl tert-Butyl Ether	2.0	Not Detected
Heptane	2.0	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
Octafluorotoluene	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

SENT BY: ENG & ENV CONSULTANTS ; 6- 4-98 ; 6:58PM ; ESCM TECHNOLOGY, INC- 510 387 9335;#11



AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4718
(916) 985-1000 FAX: (916) 985-1020

No 015829

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

<p>Contact Person <u>ED SHAW</u></p> <p>Company <u>CTEL-ESCM</u></p> <p>Address <u>P.O. Box 397</u> City <u>MUNDOLE</u> State <u>UT</u> Zip <u>84754</u></p> <p>Phone <u>435-527-3103</u> FAX <u>435-527-3047</u></p> <p>Collected By: Signature <u><i>Edward Shaw</i></u></p>	<p>Project info:</p> <p>P.O. # <u>EAS 7198</u></p> <p>Project # <u>PRINTPACK</u></p> <p>Project Name <u>@S.W. LEONARD</u></p>	<p>Turn Around Time:</p> <p><input checked="" type="checkbox"/> Normal</p> <p><input type="checkbox"/> Rush _____</p> <p style="text-align: right;">Specify</p>
--	---	---

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum		
				Initial	Final	Receipt
01A	PRINTPACK-A @ 3'	7/1/98 10:21 PM PST	T014			0.2 psig
02A	PRINTPACK-B @ 3'	7/1/98 10:10 PM PST	T014			0.2 psig
03A	PRINTPACK-C @ 3'	7/1/98 10:30 PM PST	T014			0.4 psig
						@ 7/1/98

<p>Relinquished By: (Signature) <u><i>Edward Shaw</i></u> Date/Time <u>7/1/98</u></p> <p>Relinquished By: (Signature) _____ Date/Time _____</p> <p>Relinquished By: (Signature) _____ Date/Time _____</p>	<p>Print Name <u>EDWARD SHAW</u> 12:59 PM</p> <p>Received By: (Signature) _____ Date/Time _____</p> <p>Received By: (Signature) <u><i>Michael Stronke</i></u> Date/Time <u>7/1/98 12:59</u></p>	<p>Notes:</p>
---	---	---------------

Lab Use Only	Shipper Name <u>Hand delivered</u>	Air Bill # <u>NA</u>	Opened By: <u>TS</u>	Date/Time <u>7/1/98 12:59</u>	Temp. (°C) <u> Ambient</u>	Condition <u>Good</u>	Custody Seals Intact? <u>(N/A)</u>	Work Order # <u>9807010</u>
--------------	------------------------------------	----------------------	----------------------	-------------------------------	----------------------------	-----------------------	------------------------------------	-----------------------------