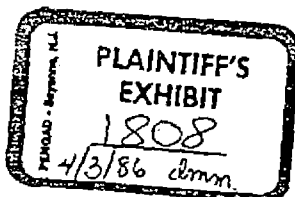


DEPARTMENT WORKED BY AGE AND BY EDUCATION

	#236		#236/237		p-value
	$\bar{X} \pm s.e.(n)$		$\bar{X} \pm s.e.(n)$		
Age	45.41 $\pm$ 1.47(44)		43.20 $\pm$ 1.60(56)		0.3219
<u>Education</u>	<u>f</u>	<u>x</u>	<u>f</u>	<u>x</u>	
< High School	7	15.91	8	14.29	0.01 $\leq$ p $\leq$ 0.05
High School Graduate	27	61.36	23	41.07	
Some College	10	22.73	17	30.36	
College Graduate +	-0		8	14.29	

*Results of
Dr. Suskinds'
Final Report*



026621

TABLE ____

DEPARTMENT WORKED v OTHER DEPARTMENTS WORKED

	#236 (n=44)		#236/237 (n=56)		p-value
	#	%	#	%	
Worked in #262	12	27.27	7	12.50	0.0754
Worked in #268	8	18.18	2	3.57	0.0203

023622

TABLE _____

DEPARTMENT WORKED v PREVIOUS EMPLOYMENT EXPOSURES

<u>Previous Employment Exposures</u>	#236 (n=44)		#236/237 (n=56)		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Mechanical Work	15	34.09	17	30.36	0.6911
Farming	2	4.55	0	0.00	0.1070
Dust	20	45.45	24	42.86	0.7951
Solvents	15	34.09	24	42.86	0.3723
Cutting Oils	10	22.73	18	32.14	0.2979
Welding/Soldering Fumes	13	29.55	15	26.79	0.7603
Fertilizer	5	11.36	7	12.50	0.8622
Weed Killer	5	11.36	6	10.71	0.9179
Asbestos	1	2.27	2	3.57	0.7055
Animal Feed	2	4.55	1	1.79	0.4219
Radiation	1	2.27	1	1.79	0.8629
Rubber Additives	1	2.27	0	0.00	0.2569

023623

TABLE _____

DEPARTMENT WORKED v TOBACCO AND ALCOHOL USE

	#236 (n=44)		#236/237 (n=56)		<u>p-value</u>
	#	% Yes	#	% Yes	
<u>Smoking Status</u>					
Never	14	32.56	8	14.55	0.0694
Former	11	25.58	13	23.64	
Present	18	41.86	34	61.82	
(Unknown)	(1)		(1)		
<u>Alcohol Status</u>					
Never	4	9.09	3	5.36	0.6868
Former	4	9.09	7	12.50	
Present	36	81.82	46	82.14	
	$\bar{X} \pm \text{s.e.}(n)$		$\bar{X} \pm \text{s.e.}(n)$		
Pack-Years*	15.60 $\pm$ 3.52(39)		21.81 $\pm$ 3.29(51)		0.2045
Former Smokers Pack Years	13.56 $\pm$ 3.86(9)		17.31 $\pm$ 5.00(13)		0.5894
Present Smokers Pack Years	30.41 $\pm$ 6.55(16)		29.58 $\pm$ 4.53(30)		0.9167

023621

TABLE _____

DEPARTMENT WORKED v FAMILY HISTORY OF ILLNESS

	#236 (n=44)		#236/237 (n=56)		p-value
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
<u>Family History</u>					
Asthma	9	20.45	17	30.36	0.2624
Hayfever	8	18.18	16	28.57	0.2272
Acne	17	38.64	24	42.86	0.6701
Eczema	3	6.82	3	5.36	0.7601
Hives	5	11.36	3	5.36	0.2718

C26625

TABLE _____
DEPARTMENT WORKED v PERSONAL MEDICAL HISTORY

	#236 (n=44)		#236/237 (n=56)		p-value
	#	% Yes	#	% Yes	
<u>Personal Medical History</u>					
Headaches	26	59.09	29	51.79	0.4661
High Blood Pressure	11	25.00	12	21.43	0.6736
Bronchitis	7	15.91	16	28.57	0.1353
Pneumonia	6	13.64	14	25.00	0.1585
Pleurisy	4	9.09	7	12.50	0.5886
Chest Pain	10	22.73	18	32.14	0.2979
Kidney Trouble	3	6.82	3	5.36	0.7601
Bladder Trouble	7	15.91	5	8.93	0.2863
Diabetes	1	2.27	3	5.36	0.4346
Thyroid Problems	1	2.27	4	7.14	0.2673
Stomach Ulcer	6	13.64	12	21.43	0.3140
Colitis	4	9.09	2	3.57	0.2486
Liver Problems	2	4.55	3	5.36	0.8533
Arthritis	10	22.73	18	32.14	0.2979
Teenage Acne	21	47.73	17	30.36	0.0757
Skin Boils	17	38.64	18	32.14	0.4992

C23620

TABLE _____

DEPARTMENT WORKED v PERSONAL MEDICAL HISTORY

	#236		#236/237		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Poison Ivy/Oak	17	38.64	17	30.36	0.3856
Hives	6	13.64	8	14.29	0.9260
Other Rash	19	43.18	25	44.64	0.8838
Skin Cancer	2	4.55	0	0.00	0.1070
Prostate Cancer	1	2.27	0.	0.00	0.2569

023627

TABLE _____

DEPARTMENT WORKED v VITAL SIGNS

<u>Vital Signs</u>	<u>#236</u> $\bar{X} \pm \text{s.e.}(n)$	<u>#236/237</u> $\bar{X} \pm \text{s.e.}(n)$	<u>p-value</u>
Quetelet Index (Height/Weight x 100)	36.26 $\pm$ 0.83(44)	38.80 $\pm$ 0.88(56)	0.0423
Systolic BP	123.70 $\pm$ 2.71(44)	120.7 $\pm$ 1.99(56)	0.3647
Diastolic BP	75.66 $\pm$ 1.63(44)	72.50 $\pm$ 1.38(56)	0.1398
Pulse	77.75 $\pm$ 1.61(44)	73.75 $\pm$ 1.58(56)	0.0835
Respiration	19.86 $\pm$ 0.80(43)	18.85 $\pm$ 0.45(54)	0.2523
Height	70.41 $\pm$ 0.47(44)	69.34 $\pm$ 0.31(56)	0.0512
Weight	198.80 $\pm$ 4.97(44)	184.73 $\pm$ 5.08(56)	0.0547
Temperature	97.76 $\pm$ 0.09(42)	97.90 $\pm$ 0.09(53)	0.2921

023628

TABLE

DEPARTMENT WORKED v DERMATOLOGIC FINDINGS

<u>Dermatologic Findings</u>	#236 (n=44)		#236/237 (n=56)		p-value
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Chloracne	20	45.45	22	39.29	0.5350
<u>Type</u>					
Comedonal	20		22		
Cystic	9		5		
Pustular	1		0		
<u>Severity</u>					
Mild	14		15		
Moderate	6		7		
<u>Locations</u>					
Temporal	11		11		
Forehead	4		3		
Malar	11		15		
Cheeks	5		4		
Occipital	0		0		
Neck	1		1		
Trunk	3		0		
Shoulders	2		1		
Genitalia	1		0		
History only, Chloracne	10		13		

- 023629

TABLE _____

DEPARTMENTS WORKED DERMATOLOGICAL FINDINGS

<u>Dermatological Findings</u>	#236 (n=44)		#236/237 (n=56)		<u>p-value</u>
	#	% Yes	#	% Yes	
Actinic Elastosis	5	11.36	7	12.50	0.8622
<u>Severity</u>					
Mild	3		3		
Moderate	2		2		
Severe	0		2		
<u>Where</u>					
Face	5		5		
Neck	2		3		
Both Chloracne & Actinic Elastosis	3	6.82	1	1.79	0.2024
Malar Hirsutism	4	9.09	1	1.79	0.0961
History Acne Vulgaris	20	45.45	22	39.29	0.5350
Acne Vulgaris	8	18.18	12	21.43	
<u>Severity</u>					
Mild	7		11		
Moderate	1		1		
Folliculitis	4	9.09	6	10.71	0.7882
Actinic Keratoses	1	2.27	2	3.57	0.7055
Basal Cell Epithelioma	0	0.00	0	0.00	-----
Squamous Cell Epithelioma	0	0.00	0	0.00	-----
Seborrheic Dermatitis	2	4.55	7	12.50	0.1677
Dermatophytosis					
Hands	1		0		
Feet	12		18		
Nails	3		3		
Other	5		7		
Psoriasis	0	0.00	0	0.00	-----
Atopic Dermatitis	0	0.00	1	1.79	0.3730

023630

TABLE _____

DEPARTMENTS WORKED v DERMATOLOGICAL FINDINGS

<u>Dermatological Findings</u>	#236 (n=44)	#236/237 (n=56)
	<u>#</u> <u>Yes</u>	<u>#</u> <u>Yes</u>
Poikiloderma		
Face	0	0
Neck	0	1
Chest	0	0
Other	0	1

C23631

TABLE _____
DEPARTMENTS WORKED v DERMATOLOGICAL FINDINGS

<u>Dermatological Findings</u>	#236 (n=44)		#236/237 (n=56)		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Dermatofibroma	0	0.00	1	1.79	0.3730
Lipoma	1	2.27	3	5.36	0.4346
Pigmented Neví	2	4.55	5	8.93	0.3938
Rosacea/Rhinophyma	2	4.55	3	5.36	0.8533
Lichen Simplex Chronicus	1	2.27	2	3.57	0.7055
Alopecia Other Than Pattern Baldness	0	0.00	0	0.00	-----
Neurofibroma	0	0.00	0	0.00	-----
Leukoderma	0	0.00	0	0.00	-----
Petechiae Ecchymoses	0	0.00	1	1.79	0.3730
Dupuytren's Contracture	0	0.00	1	1.79	0.3730
Junctional Neví	0	0.00	1	1.79	0.3730
Lymphadenopathy	1	2.27	1	1.79	0.8629
Livedo Reticularis	1	2.27	1	1.79	0.8629
Xerosis	2	4.55	2	3.57	0.8051
Pilonidal Cyst	0	0.00	0	0.00	-----
Otitis Externa	1	2.27	1	1.79	0.8629
Mild Chronic Dermatitis	1	2.27	0	0.00	0.2569
Xanthelasma	0	0.00	1	1.79	0.3730
Seborrheic Keratoses	1	2.27	7	12.50	0.0613

026632

TABLE _____

DEPARTMENTS WORKED y CLINICAL LABORATORY FINDINGS

	<u>#236</u> $\bar{X} \pm \text{s.e.}(n)$	<u>#236/237</u> $\bar{X} \pm \text{s.e.}(n)$	<u>p-value</u>
Sodium	139.16 $\pm$ 0.42(44)	139.04 $\pm$ 0.31(56)	0.8102
Magnesium	2.02 $\pm$ 0.04(44)	2.01 $\pm$ 0.02(56)	0.7828
Potassium	4.45 $\pm$ 0.06(44)	4.54 $\pm$ 0.05(56)	0.2298
Chloride	103.42 $\pm$ 0.60(43)	103.68 $\pm$ 0.41(56)	0.7122
Calcium	9.72 $\pm$ 0.06(44)	9.79 $\pm$ 0.05(56)	0.3340
Phosphorous	2.82 $\pm$ 0.06(44)	2.85 $\pm$ 0.05(56)	0.6701
Iron	107.68 $\pm$ 4.19(44)	112.29 $\pm$ 5.41(56)	0.5207
BUN	14.43 $\pm$ 0.51(44)	15.43 $\pm$ 0.58(56)	0.2144
Creatinine	1.33 $\pm$ 0.03(44)	1.29 $\pm$ 0.03(56)	0.3721
BUN/Creatinine	11.26 $\pm$ 0.52(44)	12.27 $\pm$ 0.51(56)	0.1744
Uric Acid	6.14 $\pm$ 0.20(44)	6.26 $\pm$ 0.21(56)	0.6959
Glucose	99.91 $\pm$ 4.17(44)	95.38 $\pm$ 1.69(56)	0.2780
Total Protein	7.79 $\pm$ 0.07(44)	7.59 $\pm$ 0.07(56)	0.0504

C26633

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

	<u>#236</u> $\bar{X} \pm s.e.(n)$	<u>#236/237</u> $\bar{X} \pm s.e.(n)$	<u>p-value</u>
Albumin	4.47 $\pm$ 0.06(44)	4.44 $\pm$ 0.04(56)	0.6762
Globulin	3.32 $\pm$ 0.08(44)	3.15 $\pm$ 0.06(56)	0.0814
Albumin/Globulin	1.39 $\pm$ 0.04(44)	1.43 $\pm$ 0.03(56)	0.3716
Total Bilirubin	0.71 $\pm$ 0.05(44)	0.68 $\pm$ 0.04(56)	0.6770
Direct Bilirubin	0.21 $\pm$ 0.02(44)	0.18 $\pm$ 0.01(56)	0.2831
SGOT	33.43 $\pm$ 2.21(44)	31.77 $\pm$ 3.31(56)	0.6940
SGPT	42.14 $\pm$ 2.41(44)	44.41 $\pm$ 5.22(56)	0.7178
GGTP	23.33 $\pm$ 2.60(43)	20.18 $\pm$ 2.25(56)	0.3619
Alkaline Phosphatase	30.00 $\pm$ 1.21(44)	32.02 $\pm$ 1.05(56)	0.2096
LDH	186.36 $\pm$ 5.38(44)	175.55 $\pm$ 3.55(56)	0.0858

C26634

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

	<u>#236</u> $\bar{X} \pm \text{s.e.}(n)$	<u>#236/237</u> $\bar{X} \pm \text{s.e.}(n)$	<u>p-value</u>
WBC	6.70 $\pm$ 0.27(42)	7.25 $\pm$ 0.25(56)	0.1430
RBC	5.22 $\pm$ 0.09(42)	5.08 $\pm$ 0.04(56)	0.1193
HGB	15.94 $\pm$ 0.19(42)	15.61 $\pm$ 0.15(56)	0.1727
HCT	48.32 $\pm$ 0.63(42)	47.39 $\pm$ 0.42(56)	0.2087
MCV	92.83 $\pm$ 0.71(42)	93.36 $\pm$ 0.63(56)	0.5732
MCH	30.65 $\pm$ 0.29(42)	30.75 $\pm$ 0.23(56)	0.7919
MCHC	33.01 $\pm$ 0.13(42)	32.93 $\pm$ 0.11(56)	0.6454

023035

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

	<u>#236</u> $\bar{X} \pm \text{s.e.}(n)$	<u>#236/237</u> $\bar{X} \pm \text{s.e.}(n)$	<u>p-value</u>
Polys (%)	59.83 $\pm$ 1.17(42)	58.50 $\pm$ 1.08(56)	0.4114
Lymphocytes (%)	30.02 $\pm$ 1.07(42)	31.21 $\pm$ 1.03(56)	0.4310
Monocytes (%)	7.13 $\pm$ 0.33(42)	7.28 $\pm$ 0.29(56)	0.7355
Eosinophils (%)	2.33 $\pm$ 0.21(42)	2.27 $\pm$ 0.16(56)	0.8281
Basophils (%)	0.70 $\pm$ 0.09(42)	0.74 $\pm$ 0.05(56)	0.6106

C26636

TABLE _____

DEPARTMENTS WORKED y CLINICAL LABORATORY FINDINGS

	<u>#236</u> $\bar{X} \pm \text{s.e.}(n)$	<u>#236/237</u> $\bar{X} \pm \text{s.e.}(n)$	<u>p-value</u>
Poly (Abs)	4076.64 $\pm$ 228.34(42)	4313.23 $\pm$ 202.36(56)	0.4415
Lymph (Abs)	1966.45 $\pm$ 80.71(42)	2195.43 $\pm$ 77.70(56)	0.0469
Mono (Abs)	462.93 $\pm$ 22.49(42)	523.64 $\pm$ 24.97(56)	0.0843
Eos (Abs)	151.45 $\pm$ 14.30(42)	163.43 $\pm$ 12.49(56)	0.5301
Baso (Abs)	45.10 $\pm$ 5.81(42)	52.59 $\pm$ 3.51(56)	0.2489

023637

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	<u>#236</u> $\bar{X} \pm \text{s.e. (n)}$	<u>#236/237</u> $\bar{X} \pm \text{s.e. (n)}$	<u>p-value</u>
Total Lipids (gm/dL)	0.70 $\pm$ 0.03(43)	0.65 $\pm$ 0.02(56)	0.1853
Cholesterol (mg/dL)	245.80 $\pm$ 8.09(44)	234.93 $\pm$ 6.34(56)	0.2856
Triglyceride (mg/dL)	186.73 $\pm$ 14.11(44)	179.98 $\pm$ 12.20(56)	0.7177
Total Cholesterol (mg/dL)	242.19 $\pm$ 7.96(43)	231.43 $\pm$ 5.69(56)	0.2617
C-HDL (mg/dL)	47.72 $\pm$ 2.68(43)	45.93 $\pm$ 2.48(56)	0.6269
C-LDL (mg/dL)	157.49 $\pm$ 6.85(43)	155.18 $\pm$ 5.78(56)	0.7962
C-VLDL (mg/dL)	37.73 $\pm$ 5.72(43)	30.93 $\pm$ 2.29(56)	0.2273

C26638

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

	<u>#236</u> $\bar{X} \pm \text{s.e. (n)}$	<u>#236/237</u> $\bar{X} \pm \text{s.e. (n)}$	<u>p-value</u>
pH	5.28 $\pm$ 0.08(43)	5.29 $\pm$ 0.07(55)	0.9112
Specific Gravity	1.0224 $\pm$ 0.0009(43)	1.0235 $\pm$ 0.0008(55)	0.3746

C23639

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	<u>#236 # % Yes</u>	<u>#236/237 # % Yes</u>	<u>p-value</u>
<u>Sodium (mmo l/L)</u>			
134.00 - 146.00	44 100.00	56 100.00	-----
<u>Magnesium (meq/L)</u>			
< 1.60	0 0.00	2 3.57	0.3516
1.60 - 2.20	37 84.09	48 85.71	
> 2.20	7 15.91	6 10.71	
<u>Potassium (mmo l/L)</u>			
3.50 - 5.50	43 97.73	56 100.00	0.2569
> 5.50	1 2.27	0 0.00	
<u>Chloride (mmo l/L)</u>			
< 96.00	0 0.00	2 3.57	0.2415
96.00 - 110.00	42 97.67	54 96.43	
> 110.00	1 2.33	0 0.00	
<u>Iron (ug/dL)</u>			
< 45.00	0 0.00	1 1.79	0.2967
45.00 - 200.00	44 100.00	53 94.64	
> 200.00	0 0.00	2 3.57	
<u>Calcium (mg/dL)</u>			
< 8.80	1 2.27	0 0.00	0.2569
8.80 - 10.80	43 97.73	56 100.00	
<u>Phosphorus (mg/dL)</u>			
2.00 - 4.70	44 100.00	56 100.00	-----
<u>BUN (mg/dL)</u>			
< 6.00	1 2.27	0 0.00	0.1609
6.00 - 25.00	43 97.73	53 94.64	
> 25.00	0 0.00	3 5.36	
<u>Creatinine (mg/dL)</u>			
0.50 - 1.70	44 100.00	56 100.00	-----

C26640

TABLE _____

DEPARTMENTS WORKED y CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	<u>#236 # % Yes</u>	<u>#236/237 # % Yes</u>	<u>p-value</u>
<u>BUN/Creatinine Ratio</u>			
3.57 - 25.45	44 100.00	56 100.00	-----
<u>Uric Acid (mg/dL)</u>			
2.50 - 8.50	42 95.45	50 89.29	0.2590
> 8.50	2 4.55	6 10.71	
<u>Glucose (mg/dL)</u>			
65.00 - 130.00	42 95.45	55 98.21	0.4219
> 130.00	2 4.55	1 1.79	
<u>Total Protein (gm/dL)</u>			
6.60 - 8.90	44 100.00	56 100.00	-----

C26641

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	<u>#</u> <u>% Yes</u>	<u>#236/237</u> <u>#</u> <u>% Yes</u>	<u>p-value</u>
<u>Albumin (gm/dL)</u>			
< 3.60	1 2.27	0 0.00	0.2729
3.60 - 5.20	42 95.45	56 100.00	
> 5.20	1 2.27	0 0.00	
<u>Globulin (gm/dL)</u>			
1.90 - 3.70	36 81.82	50 89.29	0.2854
> 3.70	8 18.18	6 10.71	
<u>Albumin/Globulin Ratio</u>			
0.46 - 2.63	44 100.00	56 100.00	
<u>Total Bilirubin (mg/dL)</u>			
0.10 - 1.70	43 97.73	55 98.21	0.8629
> 1.70	1 2.27	1 1.79	
<u>Direct Bilirubin (mg/dL)</u>			
0.00 - 0.30	41 93.18	52 92.86	0.9496
> 0.30	3 6.82	4 7.14	
<u>Transaminase, SGO (IU/L)</u>			
1.00 - 50.00	40 90.91	52 92.86	0.7215
> 50.00	4 9.09	4 7.14	
<u>Transaminase, SGP (IU/L)</u>			
1.00 - 70.00	40 90.91	52 92.86	0.7215
> 70.00	4 9.09	4 7.14	
<u>G-glutamyl Transpeptidase (U/L)</u>			
1.00 - 70.00	42 97.67	55 98.21	0.8499
> 70.00	1 2.33	1 1.79	
<u>Alkaline Phosphatase (IU/L)</u>			
10.00 - 50.00	43 97.73	55 98.21	
> 50.00	1 2.27	1 1.79	
<u>LDH (IU/L)</u>			
90.00 - 250.00	42 95.45	56 100.00	0.1070
> 250.00	2 4.55	0 0.00	

C26642

TABLE _____
DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	<u>#236</u> <u># % Yes</u>	<u>#236/237</u> <u># % Yes</u>	<u>p-value</u>
<u>RBC (millions/cu.mm.)</u>			
< 4.6	2 4.76	3 5.36	0.5071
4.6 - 6.2	39 92.86	53 94.64	
> 6.2	1 2.38	0 0.00	
<u>Hemoglobin (gm/dL)</u>			
< 14.0	0 0.00	3 5.36	0.0438
14.0 - 18.00	39 92.86	53 94.64	
> 18.00	3 7.14	0 0.00	
<u>Hematocrit (percent)</u>			
< 42.00	0 0.00	3 5.36	0.3090
42.00 - 54.00	41 97.62	52 92.86	
> 54.00	1 2.38	1 1.79	
<u>MCV (cu. u)</u>			
< 80.00	0 0.00	1 1.79	0.3817
80.00 - 100.00	41 97.62	51 91.07	
> 100.00	1 2.38	4 7.14	
<u>MCH</u>			
< 26.00	1 2.38	1 1.79	0.4871
26.00 - 33.00	36 85.71	52 92.86	
> 33.00	5 11.90	3 5.36	
<u>MCHC (percent)</u>			
< 31.00	1 2.38	1 1.79	0.8366
31.00 - 36.00	41 97.62	55 98.21	

023643

TABLE _____
DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	<u>#236</u> <u># % Yes</u>	<u>#236/237</u> <u># % Yes</u>	<u>p-value</u>
<u>CBC</u>			
<u>WBC (thousand/cu.mm.)</u>			
4.00 - 11.60	41 97.62	54 96.43	0.7349
>11.60	1 2.38	2 3.57	
<u>Differential Polys (percent)</u>			
<42.0	0 0.00	2 3.57	0.2159
42.0 - 81.0	42 100.00	54 96.43	
>81.0	0 0.00	0 0.00	
<u>Lymphocytes (percent)</u>			
10.0 - 47.0	42 100.00	54 96.43	0.2159
>47.0	0 0.00	2 3.57	
<u>Monocytes (percent)</u>			
0.0 - 10.0	38 90.48	51 91.07	0.9196
>10.0	4 9.52	5 8.93	
<u>Eosinophils (percent)</u>			
0.0 - 8.0	42 100.00	56 100.00	-----
<u>Basophils (percent)</u>			
0.0 - 2.0	41 97.62	56 100.00	
>2.0	1 2.38	0 0.00	0.2458

026644

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	#236		#236/237		p-value
	#	% Yes	#	% Yes	
<u>CBC</u>					
<u>Differential</u>					
<u>Absolute Values (cells/cu.mm.)</u>					
<u>Neutrophils</u>					
1650 - 8330	41	97.62	55	98.21	0.8366
>8330	1	2.38	1	1.79	
<u>Lymphocytes</u>					
<1049	1	2.38	0	0.00	0.2421
1049 - 3581	41	97.62	54	96.43	
>3581	0	0.00	2	3.57	
<u>Monocytes</u>					
61 - 929	42	100.00	55	98.21	0.3840
>929	0	0.00	1	1.79	
<u>Eosinophils</u>					
<40	3	7.14	2	3.57	0.4265
40 - 423	39	92.86	54	96.43	
<u>Basophils</u>					
<10	2	4.76	1	1.79	0.3500
10 - 148	39	92.86	55	98.21	
>148	1	2.38	0	0.00	

C26645

TABLE

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>BLOOD REFERENCE RANGE UNITS</u>	<u>#236 # % Yes</u>	<u>#236/237 # % Yes</u>	<u>p-value</u>
<u>Total Lipids (gm/dL)</u>			
0.30 - 1.00	41 95.35	55 98.21	0.4097
>1.00	2 4.65	1 1.79	
<u>Cholesterol (mg/dL)</u>			
< 125	1 2.27	0 0.00	0.5148
125 - 300	36 81.82	46 82.14	
>300	7 15.91	10 17.86	
<u>Triglyceride (mg/dL)</u>			
50 - 200	30 68.18	39 69.64	0.8754
> 200	14 31.82	17 30.36	
<u>Total Cholesterol (mg/dL)</u>			
< 125	1 2.33	0 0.00	0.2661
125 - 300	36 83.72	52 92.86	
> 300	6 13.95	4 7.14	
<u>C-HDL (mg/dL)</u>			
< 30	7 16.28	11 19.64	0.8923
30 - 75	34 79.07	42 75.00	
> 75	2 4.65	3 5.36	
<u>C-LDL (mg/dL)</u>			
< 60	1 2.33	0 0.00	0.3724
60 - 185	30 69.77	44 78.57	
> 185	12 27.91	12 21.43	
<u>C-VLDL (mg/dL)</u>			
0.0 - 40.0	31 72.09	46 82.14	0.2332
> 40.0	12 27.91	10 17.86	

C26640

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>Urinalysis</u>	<u>#236</u> <u># % Yes</u>	<u>#236/237</u> <u># % Yes</u>	<u>p-value</u>
<u>Appearance</u>			
Clear	43 100.00	55 100.00	-----
<u>Specific Gravity</u>			
1.008 - 1.036	43 100.00	55 100.00	-----
<u>Acetone</u>			
Negative	43 100.00	54 98.18	
1+	0 0.00	1 1.82	0.3741
<u>Albumin</u>			
Negative	43 100.00	55 100.00	---
<u>Glucose</u>			
Negative	42 97.67	53 96.36	
2+	1 2.33	2 3.64	0.708
<u>Blood</u>			
Negative	43 100.00	55 100.00	-----
<u>WBC</u>			
Negative	34 79.07	40 72.73	
0 - 2	5 11.63	6 10.91	
2 - 5	2 4.65	9 16.36	
5 - 10	2 4.65	0 0.00	
<u>RBC</u>			
Negative	42 97.67	55 100.00	
0 - 2	1 2.33	0 0.00	0.2556
<u>Casts</u>			
Negative	43 100.00	55 100.00	
<u>Bacteria</u>			
None	39 90.70	48 87.27	
Slight	3 6.98	7 12.73	
Moderate	1 2.33	0 0.00	0.3512

C26647

TABLE _____

DEPARTMENTS WORKED v CLINICAL LABORATORY FINDINGS

<u>Urinalysis</u>	#236		#236/237		<u>p-value</u>
	<u>f</u>	<u>%</u>	<u>f</u>	<u>%</u>	
<u>Crystals</u>					
None	42	97.67	54	98.18	0.8601
Uric Acid	0	0.00	0	0.00	
Calcium Oxalate	1	2.33	1	1.82	
<u>Yeast</u>					
Negative	43	100.00	55	100.00	-----
<u>PH</u>					
5	32	74.42	41	74.55	0.9242
6	10	23.26	12	21.82	
7	1	2.33	2	3.64	

C28648

TABLE _____

262/268 EXPOSURE v DEMOGRAPHIC INFORMATION
EVER IN DEPARTMENT 262 OR 268?

	<u>NO</u> $\bar{x} \pm s.e.(n)$	<u>Yes</u> $\bar{x} \pm s.e.(n)$	<u>p-value</u>
Age	43.09 $\pm$ 1.36(76)	47.58 $\pm$ 1.46(24)	0.0276

<u>Education</u>	<u>f</u>	<u>$\bar{x}$</u>	<u>f</u>	<u>$\bar{x}$</u>	
< High School	11	14.47	4	16.67	0.25 $\leq$ p $\leq$ 0.50
High School Graduate	35	46.05	15	62.50	
Some College	22	28.95	5	20.83	
College Graduate+	8	10.53	0	0.00	

C26701

TABLE _____
 262/268 EXPOSURE v OTHER DEPARTMENT WORKED
 EVER IN DEPARTMENT 262 OR 268?

	<u>NO</u>		<u>YES</u>		p-value
	#	%	#	%	
	n=76		n=24		
Ever in 237?	47	61.84	9	37.50	0.0579

C26702

TABLE _____
 262/268 EXPOSURE v PREVIOUS EMPLOYMENT EXPOSURES
 EVER IN DEPARTMENT 262 OR 268?

<u>PREVIOUS EMPLOYMENT EXPOSURES</u>	<u>No</u>		<u>Yes</u>		<u>p-value</u>
	(n=76)		(n=24)		
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
Mechanical Work	27	35.53	5	20.83	0.2163
Farming	2	2.63	0	0.00	1.0000
Dust	30	39.47	14	58.33	0.1563
Solvents	33	43.42	6	25.00	0.1500
Cutting Oils	26	34.21	2	8.33	0.0175
Welding/Soldering Fumes	22	28.95	6	25.00	0.7987
Fertilizer	10	13.16	2	8.33	0.7255
Weed Killer	11	14.47	0	0.00	0.0615
Asbestos	2	2.63	1	4.17	0.5652
Animal Feed	2	2.63	1	4.17	0.5652
Radiation	1	1.32	1	4.17	0.4242
Rubber Additives	1	1.32	0	0.00	1.0000

C26703

TABLE _____

262/268 EXPOSURE v TOBACCO AND ALCOHOL USE

EVER IN DEPARTMENT 262 OR 268?

	<u>No</u>		<u>Yes</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
<u>Alcohol Status</u>					
Never	5	6.58	2	8.33	0.9159
Former	8	10.53	3	12.50	
Present	63	82.89	19	79.17	
<u>Smoking Status</u>					
Never	18	24.00	4	17.39	0.6768
Former	17	22.67	7	30.43	
Present	40	53.33	12	52.17	
(Unknown)	1		1		
	$\bar{X} \pm \text{s.e. (n)}$		$\bar{X} \pm \text{s.e. (n)}$		
Pack Years	17.74 $\pm$ 2.69(69)		23.67 $\pm$ 5.37(21)		0.3021

025704

TABLE _____

262/268 EXPOSURE v FAMILY HISTORY OF ILLNESS

EVER IN DEPARTMENT 262 OR 268?

<u>Family History</u>	<u>No</u> (n=76)		<u>Yes</u> (n=24)		<u>p-value</u> *
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Asthma	18	23.68	8	33.33	0.4245
Hayfever	20	26.32	4	16.67	0.4190
Acne	31	40.79	10	41.67	1.0000
Eczema	3	3.95	3	12.50	0.1476
Hives	6	7.89	2	8.33	1.0000

* by Fisher's Exact test

C26705

TABLE _____

262/268 EXPOSURE V PERSONAL MEDICAL HISTORY

EVER IN DEPARTMENT 262 OR 268?

<u>Personal Medical History</u> *	<u>No</u>		<u>Yes</u>		<u>p-value</u> **
	(n=76)		(n=24)		
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
headaches	42	55.26	13	54.17	1.000
High Blood Pressure	14	18.42	9	37.50	0.0920
Bronchitis	16	21.05	7	29.17	0.4155
Pneumonia	16	21.05	4	16.67	0.7747
Pleurisy	8	10.53	3	12.50	0.7224
Chest Pain	21	27.63	7	29.17	1.0000
Kidney Trouble	3	3.95	3	12.50	0.1476
Bladder Trouble	9	11.84	3	12.50	1.0000
Diabetes	1	1.32	3	12.50	0.0419
Thyroid Problems	3	3.95	2	8.33	0.5910
Stomach Ulcer	15	19.74	3	12.50	0.5502
Colitis	4	5.26	2	8.33	0.6280
Liver Problems	2	2.63	3	12.50	0.0879
Arthritis	18	23.68	10	41.67	0.1175
Teenage Acne	30	39.47	8	33.33	0.6375
Skin Boils	27	35.53	8	33.33	1.0000
Poison Ivy/Oak	28	36.84	6	25.00	0.3320
Hives	11	14.47	3	12.50	1.0000
Other Rash , Nos	31	40.79	13	54.17	0.3457
Skin Cancer	1	1.32	1	4.17	0.4242
Prostate Cancer	1	1.32	0	0.00	1.0000

*Includes unconfirmed

**by Fisher's Exact test

026706

TABLE _____

262/268 EXPOSURE v VITAL SIGNS

EVER IN DEPARTMENT 262 OR 268?

<u>Vital Signs</u>	<u>No</u> $\bar{x} \pm \text{s.e.}(n)$	<u>Yes</u> $\bar{x} \pm \text{s.e.}(n)$	<u>p-value</u>
Quetelet Index (Height/Weight x 100)	37.99 $\pm$ 0.72(76)	36.69 $\pm$ 1.25(24)	0.3733
Systolic BP	122.00 $\pm$ 1.86(76)	122.13 $\pm$ 3.43(24)	0.9740
Diastolic BP	73.58 $\pm$ 1.29(76)	74.88 $\pm$ 1.71(24)	0.6040
Pulse	75.17 $\pm$ 1.34(76)	76.58 $\pm$ 2.21(24)	0.6016
Respiration	19.40 $\pm$ 0.54(73)	19.00 $\pm$ 0.67(24)	0.6962
Height	69.79 $\pm$ 0.31(76)	69.88 $\pm$ 0.60(24)	0.8943
Weight	189.28 $\pm$ 4.17(76)	196.13 $\pm$ 7.51(24)	0.4244
Temperature	97.87 $\pm$ 0.07(74)	97.70 $\pm$ 0.15(21)	0.2663

C26707

TABLE _____
 262/268 EXPOSURE v CHLORACNE
 EVER IN DEPARTMENT 262 OR 268?

	<u>No</u> (n=76)		<u>Yes</u> (n=24)		<u>p-value</u> *
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Chloracne</u>	33	43.42	9	37.50	0.6436
Comedonal	33		9		
Cystic	10		4		
Pustular	1		0		
<u>Severity</u>					
Mild	23		6		
Moderate	10		3		
<u>Site</u>					
Temporal	16		6		
Forehead	7		0		
Malar	22		4		
Cheeks	7		2		
Occipital	0		0		
Neck	2		0		
Trunk	2		1		
Shoulders	1		2		
Genitalia	1		0		
Dermatologist History of Chloracne	49	64.47	16	66.67	1.0000

* by Fisher's Exact Test

C26708

TABLE _____
262/268 EXPOSURE v DERMATOLOGIC FINDINGS

EVER IN DEPARTMENT 262 OR 268?

<u>Dermatologic Findings</u>	<u>No</u> (n=76)		<u>Yes</u> (n=24)		<u>p-value</u> *
Actinic Elastosis	9	11.84	3	12.50	1.0000
<u>Severity</u>					
Mild	4		2		
Moderate	3		1		
Severe	2		0		
<u>Where</u>					
Face	7		3		
Neck	5		0		
Both Chloracne and Actinic Elastosis	3	3.95	1	4.17	1.0000
Malar Hirsutism	2	2.63	3	12.50	0.0879
History Acne Vulgaris	34	44.74	8	33.33	0.3537
Acne Vulgaris	18	23.68	2	8.33	0.1445
<u>Severity</u>					
Mild	16		2		
Moderate	2		0		
Folliculitis	9	11.84	1	4.17	0.4437
Actinic Keratoses	2	2.63	1	4.17	0.5652
Basal Cell Epithelioma	0	0.00	0	0.00	-----
Squamous Cell Epithelioma	0	0.00	0	0.00	-----
Seborrheic Dermatitis	6	7.89	3	12.50	0.4449
Dermatophytosis					
Hands	1	1.32	0	0.00	1.0000
Feet	23	30.26	7	29.17	1.0000
Nails	3	3.95	3	12.50	0.1476
Other	9	11.84	3	12.50	1.0000
Psoriasis	0	0.00	0	0.00	-----
Atopic Dermatitis	1	1.32	0	0.00	1.0000
Poikiloderma					
Face	0	0.00	1	4.17	0.2400
Neck	0	0.00	0	0.00	-----
Chest	0	0.00	0	0.00	-----
Other	1	1.32	0	0.00	1.0000
Dermatofibroma	0	0.00	1	4.17	0.2400
Lipoma	4	5.26	0	0.00	0.5697
Pigmented Nevii	3	3.95	4	16.67	0.0549
Rosacea/Rhinophyma	3	3.95	2	8.33	0.5910

C26709

TABLE _____

262/268 EXPOSURE v DERMATOLOGIC FINDINGS

EVER IN DEPARTMENT 262 OR 268?

<u>Dermatologic Findings</u>	<u>No</u>		<u>Yes</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Lichen Simplex Chronicus	2	2.63	1	4.17	0.5652
Alopecia Other than Pattern Baldness	0	0.00	0	0.00	-----
Neurofibroma	0	0.00	0	0.00	-----
Leukoderma	0	0.00	0	0.00	-----
Petechiae Ecchymoses	0	0.00	0	0.00	0.2400
Dupuytren's Contracture	1	1.32	0	0.00	1.0000
Junctional Nevii	1	1.32	0	0.00	1.0000
Lymphadenopathy	2	2.63	0	0.00	1.0000
Livedo Reticularis	2	2.63	0	0.00	1.0000
Xerosis	4	5.26	0	0.00	0.5697
Pilonidal Cyst	0	0.00	0	0.00	-----
Otitis Externa	1	1.32	1	4.17	0.4242
Mild Chronic Dermatitis	1	1.32	0	0.00	1.0000
Xanthelasma	1	1.32	0	0.00	1.0000
Seborrheic Keratoses	5	6.58	3	12.50	0.3938

C26710

TABLE _____

262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS

EVER IN DEPARTMENT 262 OR 268?

	<u>No</u>	<u>Yes</u>	<u>p-value</u>
	$\bar{x} \pm \text{s.e. (n)}$	$\bar{x} \pm \text{s.e. (n)}$	
Sodium (age adjusted)	139.11 $\pm$ 0.30(76) 139.13 $\pm$ 0.29	139.04 $\pm$ 0.49(24) 138.98 $\pm$ 0.53	0.9152 0.8040
Magnesium (age adjusted)	2.02 $\pm$ 0.02(76) 2.02 $\pm$ 0.02	1.99 $\pm$ 0.04(24) 1.98 $\pm$ 0.04	0.5469 0.3651
Potassium (age adjusted)	4.49 $\pm$ 0.05(76) 4.50 $\pm$ 0.05	4.52 $\pm$ 0.09(24) 4.51 $\pm$ 0.08	0.7865 0.9331
Chloride (age adjusted)	103.95 $\pm$ 0.38(76) 103.95 $\pm$ 0.39	102.30 $\pm$ 0.77(23) 102.28 $\pm$ 0.72	0.0448 0.0459
Calcium (age adjusted)	9.76 $\pm$ 0.04(76) 9.76 $\pm$ 0.04	9.75 $\pm$ 0.07(24) 9.75 $\pm$ 0.08	0.8360 0.9173
Phosphorous (age adjusted)	2.84 $\pm$ 0.04(76) 2.84 $\pm$ 0.04	2.81 $\pm$ 0.06(24) 2.82 $\pm$ 0.08	0.6749 0.8045
Iron (age adjusted)	111.51 $\pm$ 4.31(76) 110.54 $\pm$ 3.94	106.29 $\pm$ 5.65(24) 109.37 $\pm$ 7.07	0.5309 0.8854
BUN (age adjusted)	14.78 $\pm$ 0.45(76) 14.81 $\pm$ 0.46	15.67 $\pm$ 0.84(24) 15.57 $\pm$ 0.82	0.3408 0.4195
Creatinine (age adjusted)	1.31 $\pm$ 0.03(76) 1.31 $\pm$ 0.02	1.28 $\pm$ 0.03(24) 1.27 $\pm$ 0.04	0.4348 0.3860
BUN/Creatinine (age adjusted)	11.60 $\pm$ 0.41(76) 11.62 $\pm$ 0.43	12.53 $\pm$ 0.80(24) 12.47 $\pm$ 0.76	0.2875 0.3402
Uric Acid (age adjusted)	6.19 $\pm$ 0.16(76) 6.20 $\pm$ 0.17	6.27 $\pm$ 0.31(24) 6.22 $\pm$ 0.30	0.8168 0.9520
Glucose (age adjusted)	95.33 $\pm$ 1.37(76) 95.80 $\pm$ 2.30	103.83 $\pm$ 7.41(24) 102.35 $\pm$ 4.13	0.0785 0.1710
Total Protein (age adjusted)	7.69 $\pm$ 0.06(76) 7.69 $\pm$ 0.06	7.63 $\pm$ 0.10(24) 7.64 $\pm$ 0.11	0.5842 0.7057
Albumin (age adjusted)	4.46 $\pm$ 0.04(76) 4.45 $\pm$ 0.04	4.43 $\pm$ 0.04(24) 4.46 $\pm$ 0.07	0.7601 0.9238
Globulin (age adjusted)	3.24 $\pm$ 0.06(76) 3.24 $\pm$ 0.06	3.20 $\pm$ 0.08(24) 3.19 $\pm$ 0.10	0.7324 0.6543
Albumin/Globulin (age adjusted)	1.42 $\pm$ 0.03(76) 1.41 $\pm$ 0.03	1.41 $\pm$ 0.03(24) 1.42 $\pm$ 0.05	0.8824 0.9404
Total Bilirubin (age adjusted)	0.70 $\pm$ 0.04(76) 0.70 $\pm$ 0.04	0.67 $\pm$ 0.04(24) 0.67 $\pm$ 0.06	0.6088 0.6788
Direct Bilirubin (age adjusted)	0.19 $\pm$ 0.01(76) 0.19 $\pm$ 0.01	0.19 $\pm$ 0.01(24) 0.19 $\pm$ 0.02	0.7191 0.8097

TABLE _____
EVER IN DEPARTMENT 262 or 268?

	<u>No</u>	<u>Yes</u>	<u>p-value</u>
	$\bar{x} \pm \text{s.e.}(n)$	$\bar{x} \pm \text{s.e.}(n)$	
SGOT	33.12 $\pm$ 2.68(76)	30.54 $\pm$ 1.84(24)	0.6000
(age adjusted)	33.48 $\pm$ 2.38	29.39 $\pm$ 4.28	0.4082
SGPT	45.13 $\pm$ 3.96(76)	37.96 $\pm$ 2.91(24)	0.3256
(age adjusted)	45.58 $\pm$ 3.55	36.54 $\pm$ 6.37	0.2209
GGTP	22.27 $\pm$ 2.05(75)	19.29 $\pm$ 2.90(24)	0.4565
(age adjusted)	22.53 $\pm$ 1.95	18.48 $\pm$ 3.48	0.3159
Alkaline Phosphatase	31.74 $\pm$ 0.92(76)	29.21 $\pm$ 1.52(24)	0.1758
(age adjusted)	31.82 $\pm$ 0.91	28.94 $\pm$ 1.63	0.1298
LDH	180.83 $\pm$ 6.20(76)	178.67 $\pm$ 4.49(24)	0.7692
(age adjusted)	180.72 $\pm$ 3.63	179.02 $\pm$ 6.51	0.8207

C26712

TABLE _____

262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS

EVER IN DEPARTMENT 262 OR 268?

	<u>No</u> $\bar{X} \pm \text{s.e.}(n)$	<u>Yes</u> $\bar{X} \pm \text{s.e.}(n)$	<u>p-value</u>
WBC	6.96 $\pm$ 0.21(74)	7.20 $\pm$ 0.37(24)	0.5633
(age adjusted)	7.00 $\pm$ 0.21	7.05 $\pm$ 0.37	0.9050
RBC	5.13 $\pm$ 0.06(74)	5.16 $\pm$ 0.06(24)	0.8193
(age adjusted)	5.14 $\pm$ 0.05	5.15 $\pm$ 0.09	0.9328
HGB	15.71 $\pm$ 0.14(74)	15.88 $\pm$ 0.21(24)	0.5528
(age adjusted)	15.72 $\pm$ 0.14	15.84 $\pm$ 0.25	0.6712
HCT	47.72 $\pm$ 0.44(74)	48.02 $\pm$ 0.58(24)	0.7199
(age adjusted)	47.77 $\pm$ 0.42	47.85 $\pm$ 0.74	0.9222
MCV	93.12 $\pm$ 0.56(74)	93.17 $\pm$ 0.85(24)	0.9692
(age adjusted)	93.18 $\pm$ 0.54	93.00 $\pm$ 0.96	0.8730
MCH	30.68 $\pm$ 0.22(74)	30.79 $\pm$ 0.29(24)	0.7990
(age adjusted)	30.69 $\pm$ 0.21	30.76 $\pm$ 0.37	0.8581
MCHC	32.94 $\pm$ 0.10(74)	33.05 $\pm$ 0.15(24)	0.5663
(age adjusted)	32.92 $\pm$ 0.10	33.09 $\pm$ 0.17	0.4174

023713

TABLE _____
 262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
 EVER IN DEPARTMENT 262 OR 268?

	<u>No</u>	<u>Yes</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Poly (%)	58.51 $\pm$ 0.94(74)	60.80 $\pm$ 1.42(24)	0.2168
(age adjusted)	58.64 $\pm$ 0.91	60.40 $\pm$ 1.61	0.3486
Lymphocytes (%)	31.31 $\pm$ 0.89(74)	28.80 $\pm$ 1.27(24)	0.1471
(age adjusted)	31.18 $\pm$ 0.85	29.20 $\pm$ 1.50	0.2565
Monocytes (%)	7.30 $\pm$ 0.25(74)	6.95 $\pm$ 0.46(24)	0.4828
(age adjusted)	7.31 $\pm$ 0.25	6.92 $\pm$ 0.44	0.4460
Eosinophils (%)	2.14 $\pm$ 0.14(74)	2.78 $\pm$ 0.27(24)	0.0310
(age adjusted)	2.13 $\pm$ 0.15	2.81 $\pm$ 0.26	0.0247
Basophils (%)	0.74 $\pm$ 0.06(74)	0.67 $\pm$ 0.07(24)	0.4922
(age adjusted)	0.74 $\pm$ 0.05	0.67 $\pm$ 0.09	0.5203

C26714

TABLE _____

262/268 EXPOSURE y CLINICAL LABORATORY FINDINGS
EVER IN DEPARTMENT 262 OR 268?

	<u>No</u>	<u>Yes</u>	<u>p-value</u>
	$\bar{x} \pm \text{s.e.}(n)$	$\bar{x} \pm \text{s.e.}(n)$	
Poly (Abs)	4137.05 $\pm$ 176.90(74)	4442.42 $\pm$ 290.32(24)	0.3878
(age adjusted)	4175.88 $\pm$ 170.50	4322.71 $\pm$ 302.03	0.6749
Lymph (Abs)	2119.23 $\pm$ 67.00(74)	2029.67 $\pm$ 109.98(24)	0.5034
(age adjusted)	2125.28 $\pm$ 66.27	2011.00 $\pm$ 117.40	0.4017
Mono (Abs)	501.54 $\pm$ 21.03(74)	485.54 $\pm$ 29.66(24)	0.6948
(age adjusted)	504.88 $\pm$ 19.97	475.25 $\pm$ 35.37	0.4703
Eos (Abs)	145.89 $\pm$ 10.37(74)	196.54 $\pm$ 19.42(24)	0.0194
(age adjusted)	145.90 $\pm$ 10.64	196.52 $\pm$ 18.85	0.0223
Baso (Abs)	50.07 $\pm$ 3.81(74)	47.25 $\pm$ 5.84(24)	0.7073
(age adjusted)	50.28 $\pm$ 3.73	46.59 $\pm$ 6.61	0.6296

C26715

TABLE _____

262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
EVER IN DEPARTMENT 262 OR 268?

	<u>No</u>		<u>Yes</u>		<u>p-value</u>
	$\bar{x} \pm$	s.e.(n)	$\bar{x} \pm$	s.e.(n)	
Total Lipids (gm/dL)	0.67 $\pm$	0.02(75)	0.67 $\pm$	0.03(24)	0.9766
(age adjusted)	0.67 $\pm$	0.02	0.66 $\pm$	0.04	0.7281
Cholesterol (mg/dL)	239.09 $\pm$	6.20(76)	241.67 $\pm$	7.50(24)	0.8282
(age adjusted)	240.18 $\pm$	5.71	238.23 $\pm$	10.24	0.8692
Triglyceride (mg/dL)	186.28 $\pm$	10.79(76)	172.42 $\pm$	17.51(24)	0.5224
(age adjusted)	187.52 $\pm$	10.57	168.49 $\pm$	18.96	0.3857
Total Cholesterol (mg/dL)	235.11 $\pm$	5.98(75)	239.21 $\pm$	5.77(24)	0.7122
(age adjusted)	236.09 $\pm$	5.40	236.14 $\pm$	9.63	0.9963
C-HDL (mg/dL)	47.08 $\pm$	2.10(75)	45.54 $\pm$	3.66(24)	0.7184
(age adjusted)	46.86 $\pm$	2.10	46.23 $\pm$	3.74	0.8845
C-LDL (mg/dL)	154.29 $\pm$	5.41(75)	162.08 $\pm$	6.63(24)	0.4509
(age adjusted)	155.18 $\pm$	5.02	159.31 $\pm$	8.95	0.6902
C-VLDL (mg/dL)	34.33 $\pm$	3.60(75)	32.58 $\pm$	2.87(24)	0.7908
(age adjusted)	34.82 $\pm$	3.22	31.05 $\pm$	5.75	0.5702

C26710

TABLE _____

262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
EVER IN DEPARTMENT 262 OR 268?

	<u>No</u>			<u>Yes</u>			<u>p-value</u>
	$\bar{x}$	$\pm$	s.e.(n)	$\bar{x}$	$\pm$	s.e.(n)	
pH	5.32	$\pm$	0.06(74)	5.17	$\pm$	0.08(24)	0.1964
(age adjusted)	5.32	$\pm$	0.06	5.19	$\pm$	0.11	0.3103
Specific Gravity	1.0235	$\pm$	0.0007(74)	1.0214	$\pm$	0.0013(24)	0.1374
(age adjusted)	1.0234	$\pm$	0.0007	1.0216	$\pm$	0.0013	0.2139

C26717

TABLE _____
262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
EVER IN DEPARTMENT 262 OR 268?

<u>Blood</u> <u>Reference Range Units</u>	<u>No</u>		<u>Yes</u>		<u>p-value</u> *
	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>	
<u>Sodium(mmol/L)</u>					
134.00 - 146.00	76	100.00	24	100.00	-----
<u>Magnesium(meq/L)</u>					
< 1.60	2	2.63	0	0.00	
1.60 - 2.20	64	84.21	21	87.50	
> 2.20	10	13.16	3	12.50	0.7186
<u>Potassium(mmol/L)</u>					
3.50 - 5.50	75	98.68	24	100.00	
> 5.50	1	1.32	0	0.00	1.0000
<u>Chloride(mmol/L)</u>					
< 96.00	2	2.63	0	0.00	
96.00 - 110.00	73	96.05	23	100.00	
> 110.00	1	1.32	0	0.00	0.6262
<u>Calcium(mg/dL)</u>					
< 8.80	1	1.32	0	0.00	
8.80 - 10.80	75	98.68	24	100.00	1.0000
<u>Phosphorus(mg/dL)</u>					
2.00 - 4.70	76	100.00	24	100.00	-----
<u>Iron (ug/dL)</u>					
< 45.00	1	1.32	0	0.00	
45.00 - 200.00	73	96.05	24	100.00	
> 200.00	2	2.63	0	0.00	0.6136
<u>BUN(mg/dL)</u>					
< 6.00	1	1.32	0	0.00	
6.00 - 25.00	73	96.05	23	95.83	
> 25.00	2	2.63	1	4.17	0.7949
<u>Creatinine(mg/dL)</u>					
0.50 - 1.70	76	100.00	24	100.00	-----
<u>BUN/Creatinine Ratio</u>					
3.57 - 25.45	76	100.00	24	100.00	-----
<u>Uric Acid(mg/dL)</u>					
2.50 - 8.50	70	92.11	22	91.67	
> 8.50	6	7.89	2	8.33	1.0000

C25718

TABLE _____
262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS

EVER IN DEPARTMENT 262 OR 268?

<u>Blood</u> <u>Reference Range Units</u>	<u>No</u>		<u>Yes</u>		<u>p-value *</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Glucose(mg/dL)</u>					
65.00 - 130.00	75	98.68	22	91.67	0.1422
> 130.00	1	1.32	2	8.33	
<u>Total Protein(gm/dL)</u>					
6.60 - 8.90	76	100.00	24	100.00	-----
<u>Albumin(gm/dL)</u>					
< 3.60	1	1.32	0	0.00	0.7245
3.60 - 5.20	74	97.37	24	100.00	
> 5.20	1	1.32	0	0.00	
<u>Globulin(gm/dL)</u>					
1.90 - 3.70	64	84.21	22	91.67	0.5081
> 3.70	12	15.79	2	8.33	
<u>Albumin/Globulin Ratio</u>					
0.46 - 2.63	76	100.00	24	100.00	-----
<u>Total Bilirubin(mg/dL)</u>					
0.10 - 1.70	74	97.37	24	100.00	1.0000
> 1.70	2	2.63	0	0.00	
<u>Direct Bilirubin(mg/dL)</u>					
0.00 - 0.30	70	92.11	23	95.83	1.0000
> 0.30	6	7.89	1	4.17	
<u>Transaminase, SGO(IU/L)</u>					
1.00 - 50.00	70	92.11	22	91.67	1.0000
> 50.00	6	7.89	2	8.33	
<u>Transaminase, SGP(IU/L)</u>					
1.00 - 70.00	69	90.79	23	95.83	0.6758
> 70.00	7	9.21	1	4.17	
<u>G-glutamyl Transpeptidase(U/L)</u>					
1.00 - 70.00	74	98.67	23	95.83	0.4280
> 70.00	1	1.33	1	4.17	
<u>Alkaline Phosphatase(IU/L)</u>					
10.00 - 50.00	74	97.37	24	100.00	1.0000
> 50.00	2	2.63	0	0.00	
<u>LDH(IU/L)</u>					
90.00 - 250.00	74	97.37	24	100.00	1.0000
> 250.00	2	2.63	0	0.00	

C26719

TABLE _____
 262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
 EVER IN DEPARTMENT 262 OR 268?

<u>Blood</u>	<u>Reference Range Units</u>		<u>No</u>		<u>Yes</u>		<u>p-value *</u>
			<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>RBC(millions/cu.mm.)</u>							
< 4.6			4	5.41	1	4.17	0.8221
4.6 - 6.2			69	93.24	23	95.83	
> 6.2			1	1.35	0	0.00	
<u>Hemoglobin(gm/dL)</u>							
< 14.0			2	2.70	1	4.17	0.5733
14.0 - 18.00			69	93.24	23	95.83	
> 18.00			3	4.05	0	0.00	
<u>Hematocrit(percent)</u>							
< 42.00			2	2.70	1	4.17	0.6776
42.00 - 54.00			70	94.59	23	95.83	
> 54.00			2	2.70	0	0.00	
<u>MCV (cu.u)</u>							
< 80.00			1	1.35	0	0.00	0.3547
80.00 - 100.00			68	91.89	24	100.00	
> 100.00			5	6.76	0	0.00	
<u>MCH (uug)</u>							
< 26.00			2	2.70	0	0.00	0.7181
26.00 - 33.00			66	89.19	22	91.67	
> 33.00			6	8.11	2	8.33	
<u>MCHC(percent)</u>							
< 31.00			2	2.70	0	0.00	1.0000
31.00 - 36.00			72	97.30	24	100.00	

* by Fisher's Exact Test for 2x2 tables; by chi-square test for 3x2 tables.

023720

TABLE _____
 262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
 EVER IN DEPARTMENT 262 OR 268?

Blood	No		Yes		p-value *
<u>Reference Range Units</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>CBC</u>					
<u>WBC(thousand/cu.mm.)</u>					
4.00 - 11.60	72	97.30	23	95.83	1.0000
> 11.60	2	2.70	1	4.17	
<u>Differential</u>					
<u>Polys(percent)</u>					
< 42.0	2	2.70	0	0.00	
42.0 - 81.0	72	97.30	24	100.00	1.0000
<u>Lymphocytes(percent)</u>					
10.0 - 47.0	72	97.30	24	100.00	1.0000
> 47.0	2	2.70	0	0.00	
<u>Monocytes(percent)</u>					
0.0 - 10.0	69	93.24	20	83.33	0.2163
> 10.0	5	6.76	4	16.67	
<u>Eosinophils(percent)</u>					
0.0 - 8.0	74	100.00	24	100.00	-----
<u>Basophils(percent)</u>					
0.0 - 2.0	73	98.65	24	100.00	1.0000
> 2.0	1	1.35	0	0.00	

* by Fisher's Exact Test.

C23721

TABLE _____

262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS

EVER IN DEPARTMENT 262 OR 268?

<u>Blood</u>	<u>No</u>		<u>Yes</u>		<u>p-value *</u>
<u>Reference Range Units</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>CBC</u>					
<u>Differential</u>					
<u>Absolute Values(cells/cu.mm.)</u>					
<u>Neutrophils</u>					
1650 - 8330	72	97.30	24	100.00	1.0000
> 8330	2	2.70	0	0.00	
<u>Lymphocytes</u>					
< 1049	1	1.35	0	0.00	0.6054
1049 - 3581	71	95.95	24	100.00	
> 3581	2	2.70	0	0.00	
<u>Monocytes</u>					
61 - 929	73	98.65	24	100.00	1.0000
> 929	1	1.35	0	0.00	
<u>Eosinophils</u>					
< 40	5	6.76	0	0.00	0.3299
40 - 423	69	93.24	24	100.00	
<u>Basophils</u>					
< 10	3	4.05	0	0.00	0.5085
10 - 148	70	94.59	24	100.00	
> 148	1	1.35	0	0.00	

* by Fisher's Exact Test for 2x2 tables; by chi-square test for 3x2 tables.

C26722

TABLE _____

262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS

EVER IN DEPARTMENT 262 OR 268?

<u>Blood</u>	<u>Reference Range Units</u>		<u>No</u>		<u>Yes</u>		<u>p-value</u> *
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>			
<u>Total Lipids(gm/dL)</u>							
0.30 - 1.00	72	96.00	24	100.00			1.0000
>1.00	3	4.00	0	0.00			
<u>Cholesterol(mg/dL)</u>							
< 125	1	1.32	0	0.00			0.6675
125 - 300	61	80.26	21	87.50			
> 300	14	18.42	3	12.50			
<u>Triglyceride(mg/dL)</u>							
50 - 200	51	67.11	18	75.00			0.6142
> 200	25	32.89	6	25.00			
<u>Total Cholesterol(mg/dL)</u>							
< 125	1	1.33	0	0.00			0.8003
125 - 300	66	88.00	22	91.67			
> 300	8	10.67	2	8.33			
<u>C-HDL(mg/dL)</u>							
< 30	13	17.33	5	20.83			0.9119
30 - 75	58	77.33	18	75.00			
> 75	4	5.33	1	4.17			
<u>C-LDL(mg/dL)</u>							
< 60	1	1.33	0	0.00			0.5010
60 - 185	54	72.00	20	83.33			
> 185	20	26.67	4	16.67			
<u>C-VLDL(mg/dL)</u>							
0.0 - 40.0	60	80.00	17	70.83			0.4006
> 40	15	20.00	7	29.17			

* by Fisher's Exact Test for 2x2 tables; by chi-square test for 3x2 tables.

026723

TABLE _____
262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
EVER IN DEPARTMENT 262 OR 268?

<u>Urinalysis</u>	<u>No</u>		<u>Yes</u>		<u>p-value *</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Appearance</u>					
Clear	74	100.00	24	100.00	-----
<u>Specific Gravity</u>					
1.008 - 1.036	74	100.00	24	100.00	-----
<u>Acetone</u>					
Negative	74	100.00	23	95.83	0.2449
1+	0	0.00	1	4.17	
<u>Albumin</u>					
Negative	74	100.00	24	100.00	-----
<u>Glucose</u>					
Negative	72	97.30	23	95.83	1.0000
2+	2	2.70	1	4.17	
<u>Blood</u>					
Negative	74	100.00	24	100.00	-----
<u>WBC</u>					
Negative	53	71.62	21	87.50	0.10 ≤ p ≤ 0.25
0 - 2	9	12.16	2	8.33	
2 - 5	10	13.51	1	4.17	
5 - 10	2	2.70	0	0.00	
<u>RBC</u>					
Negative	74	100.00	23	95.83	0.2449
0 - 2	0	0.00	1	4.17	
<u>Casts</u>					
Negative	74	100.00	24	100.00	-----
<u>Bacteria</u>					
None	66	89.19	21	87.50	0.7810
Slight	7	9.46	3	12.50	
Moderate	1	1.35	0	0.00	

C26724

TABLE _____

262/268 EXPOSURE v CLINICAL LABORATORY FINDINGS
EVER IN DEPARTMENT 262 OR 268?

<u>Blood</u> <u>Reference Range Units</u>	<u>No</u>		<u>Yes</u>		<u>p-value *</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Crystals</u>					
None	72	97.30	24	100.00	1.0000
Uric Acid	0	0.00	0	0.00	
Calcium Oxalate	2	2.70	0	0.00	
<u>Yeast</u>					
Negative	74	100.00	24	100.00	-----
<u>PH</u>					
5	53	71.62	20	83.33	0.4106
6	18	24.32	4	16.67	
7	3	4.05	0	0.00	

* by chi-square test.

026725

TABLE _____
AGE AND EDUCATION

	$\bar{X} \pm \text{s.e.}(n)$	
Age	$44.17 \pm 1.10(100)$	
<u>Education</u>	<u>#</u>	<u>%</u>
High School	15	15.00
High School Graduate	50	50.00
Some College	27	27.00
College Graduate +	8	8.00

C26593

TABLE ____
DEPARTMENTS WORKED

	<u>f</u>	<u>Σ</u>
Worked in #236	100	100.00
Worked in #237	56	56.00
Worked in #262	19	19.00
Worked in #268	10	10.00

C26534

TABLE _____
 PREVIOUS EMPLOYMENT EXPOSURES

<u>Previous Employment Exposures</u>	<u>#</u>	<u>%</u>
Mechanical Work	32	32.00
Farming	2	2.00
Dust	44	44.00
Solvents	39	39.00
Cutting Oils	28	28.00
Welding/Soldering Fumes	28	28.00
Fertilizer	12	12.00
Weed Killer	11	11.00
Asbestos	3	3.00
Animal Feed	3	3.00
Radiation	2	2.00
Rubber Additives	1	1.00

026535

TABLE ____
TOBACCO AND ALCOHOL USE

	<u>f</u>	<u>% Yes</u>
<u>Smoking Status</u>		
Never	22	22.45
Former	24	24.49
Present	52	53.06
(Unknown)	2	

Alcohol Status

Never	7	7.00
Former	11	11.00
Present	82	82.00

$\bar{X} \pm \text{s.e. (n)}$

Pack Years*

19.12 $\pm$ 2.42(90)

Former Smokers
Pack Years

15.77 $\pm$ 3.31(22)

Present Smokers
Pack Years

29.87 $\pm$ 3.69(46)

TABLE _____
FAMILY HISTORY OF ILLNESS

Family History

	<u>#</u>	<u>% Yes</u>
Asthma	26	26.00
Hayfever	24	24.00
Acne	41	41.00
Eczema	6	6.00
Hives	8	8.00

C26597

TABLE _____
PERSONAL MEDICAL HISTORY

<u>Personal Medical History</u>	<u>#</u>	<u>% Yes</u>
Headaches	55	55.00
High Blood Pressure (confirmed)	23 20	23.00
Bronchitis	23	23.00
Pneumonia (confirmed)	20 11	20.00
Pleurisy (confirmed)	11 8	11.00
Chest Pain (confirmed)	28 23	28.00
Kidney Trouble (confirmed)	6 3	6.00
Bladder Trouble (confirmed)	12 8	12.00
Diabetes (confirmed)	4 3	4.00
Thyroid Problems (confirmed)	5 2	5.00
Stomach Ulcer (confirmed)	18 17	18.00
Colitis (confirmed)	6 5	6.00
Liver Problems (confirmed)	5 5	5.00
Arthritis	28	28.00
Teenage Acne (MD treated)	38 4	38.00
Skin Boils (confirmed)	35 9	35.00

026598

TABLE _____

	<u>#</u>	<u>% Yes</u>
Poison Ivy/Oak	34	34.00
Hives	14	14.00
Other Rash (confirmed)	44 35	44.00
Skin Cancer (confirmed)	2 1	2.00
Prostate Cancer (confirmed)	1 1	1.00

C26539

TABLE _____
VITAL SIGNS

Vital Signs

	$\bar{X} \pm \text{s.e.}(n)$
Quetelet Index (Height/Weight x 100)	37.68 $\pm$ 0.62(100)
Systolic BP	122.03 $\pm$ 1.63(100)
Diastolic BP	73.89 $\pm$ 1.06(100)
Pulse	75.51 $\pm$ 1.15(100)
Respiration	19.30 $\pm$ 0.44(97)
Height	69.81 $\pm$ 0.27(100)
Weight	190.92 $\pm$ 3.64(100)
Temperature	97.84 $\pm$ 0.06(95)

C26600

TABLE _____
CHOLORACNE FINDINGS

	<u>#</u>	<u>%</u>
<u>Chloracne</u>	42	42.00
Comedonal	42	
Cystic	14	
Pustular	1	
<u>Severity</u>		
Mild	29	
Moderate	13	
Temporal	22	
Forehead	7	
Malar	26	
Cheeks	9	
Occipital	0	
Neck	2	
Trunk	3	
Shoulders	3	
Genitalia	1	

C26601

TABLE _____
DERMATOLOGICAL FINDINGS

Dermatological Findings

	<u>#</u>	<u>% Yes</u>
Actinic Elastosis	12	12.00
<u>Severity</u>		
Mild	6	
Moderate	4	
Severe	2	
<u>Where</u>		
Face	10	
Neck	5	
Both Chloracne & Actinic Elastosis	4	4.00
Dermatologist History Chloracne	65	65.00
Malar Hirsutism	5	5.00
History Acne Vulgaris	42	42.00
Acne Vulgaris	20	20.00
<u>Severity</u>		
Mild	18	
Moderate	2	
Folliculitis	10	10.00
Actinic Keratoses	3	3.00
Basal Cell Epithelioma	0	-----
Squamous Cell Epithelioma	0	-----
Seborrheic Dermatitis	9	9.00
Dermatophytosis		
Hands	1	1.00
Feet	30	30.00
Nails	6	6.00
Other	12	12.00

026602

TABLE _____

Dermatological Findings

Psoriasis	0	-----
Atopic Dermatitis	1	1.00
Poikiloderma	1	1.00
Face	1	1.00
Neck	0	-----
Chest	0	-----
Other	1	1.00

C23603

TABLE _____

Dermatologic Findings

	<u>#</u>	<u>% Yes</u>
Dermatofibroma	1	1.00
Lipoma	4	4.00
Pigmented Nevus	7	7.00
Rosacea/Rhinophyma	5	5.00
Lichen Simplex Chronicus	3	3.00
Alopecia Other	0	-----
Neurofibroma	0	-----
Leukoderma	0	-----
Petechiae Ecchymoses	1	1.00
Dupuytren's Contracture	1	1.00
Junctional Nevus	1	1.00
Lymphadenopathy	2	2.00
Livedo Reticularis	2	2.00
Xerosis	4	4.00
Pilonidal Cyst	0	-----
Otitis Externa	2	2.00
Mild Chronic Dermatitis	1	1.00
Xanthelasma	1	1.00
Seborrheic Keratoses	8	8.00

C23604

TABLE _____

CLINICAL LABORATORY FINDINGS

	$\bar{X} \pm \text{s.e.}(n)$
Sodium	139.09 $\pm$ 0.25(100)
Magnesium	2.01 $\pm$ 0.02(100)
Potassium	4.50 $\pm$ 0.04(100)
Chloride	103.57 $\pm$ 0.35(99)
Calcium	9.76 $\pm$ 0.04(100)
Phosphorous	2.84 $\pm$ 0.04(100)
Iron	110.26 $\pm$ 3.54(100)
BUN	14.99 $\pm$ 0.40(100)
Creatinine	1.30 $\pm$ 0.02(100)
BUN/Creatinine	11.83 $\pm$ 0.37(100)
Uric Acid	6.21 $\pm$ 0.14(100)
Glucose	97.37 $\pm$ 2.07(100)
Total Protein	7.68 $\pm$ 0.05(100)
Albumin	4.45 $\pm$ 0.03(100)

TABLE _____

	$\bar{X} \pm \text{s.e. (n)}$
Globulin	$3.23 \pm 0.05(100)$
Albumin/Globulin	$1.41 \pm 0.03(100)$
Total Bilirubin	$0.69 \pm 0.03(100)$
Direct Bilirubin	$0.19 \pm 0.01(100)$
SGOT	$32.50 \pm 2.08(100)$
SGPT	$43.41 \pm 3.10(100)$
GGTP	$21.55 \pm 1.70(99)$
Alkaline Phosphatase	$31.13 \pm 0.80(100)$
LDH	$180.31 \pm 3.12(100)$

TABLE _____

	$\bar{X} \pm \text{s.e. (n)}$
WBC	$7.02 \pm 0.18(98)$
RBC	$5.14 \pm 0.44(98)$
HGB	$15.75 \pm 0.12(98)$
HCT	$47.79 \pm 0.36(98)$
MCV	$93.13 \pm 0.47(98)$
MCH	$30.71 \pm 0.18(98)$
MCHC	$32.96 \pm 0.08(98)$

023607

TABLE _____

	$\bar{X} \pm \text{s.e.}(n)$
Polys (%)	$59.07 \pm 0.80(98)$
Lymphocytes (%)	$30.70 \pm 0.74(98)$
Monocytes (%)	$7.21 \pm 0.22(98)$
Eosinophils (%)	$2.30 \pm 0.13(98)$
Basophils (%)	$0.72 \pm 0.05(98)$

TABLE _____

	$\bar{X} \pm \text{s.e.}(n)$
Poly (Abs)	4211.84 $\pm$ 151.18(98)
Lymph (Abs)	2097.30 $\pm$ 57.17(98)
Mono (Abs)	497.62 $\pm$ 17.40(98)
Eos (Abs)	158.30 $\pm$ 9.38(98)
Baso (Abs)	49.38 $\pm$ 3.20(98)

C26609

TABLE _____

Blood
Reference Range Units

$\bar{X} \pm \text{s.e. (n)}$

Total Lipids (gm/dL)	0.67 $\pm$ 0.02(99)
Cholesterol (mg/dL)	239.71 $\pm$ 5.03(100)
Triglyceride (mg/dL)	182.95 $\pm$ 9.19(100)
Total Cholesterol (mg/dL)	236.10 $\pm$ 4.73(99)
C-HDL (mg/dL)	46.71 $\pm$ 1.81(99)
C-LDL (mg/dL)	156.18 $\pm$ 4.40(99)
C-VLDL (mg/dL)	33.91 $\pm$ 2.81(99)

C26610

TABLE _____

$\bar{X} \pm \text{s.e.}(n)$

pH	5.29	$\pm$	0.05(98)
Specific Gravity	1.02300	$\pm$	0.00062(98)

C26611

TABLE _____

BLOOD REFERENCE RANGE UNITS

	<u>#</u>	<u>%</u>
<u>Sodium (mmo l/L)</u>		
134.00 - 146.00	100	100.00
<u>Magnesium (meq/L)</u>		
<1.60	2	2.00
1.60 - 2.20	85	85.00
>2.20	13	13.00
<u>Potassium (mmo l/L)</u>		
3.50 - 5.50	99	99.00
>5.50	1	1.00
<u>Chloride (mmo l/L)</u>		
<96.00	2	2.02
96.00 - 110.00	96	96.97
>110.00	1	1.01
<u>Calcium (mg/dL)</u>		
<8.80	1	1.00
8.80 - 10.80	99	99.00
<u>Phosphorus (mg/dL)</u>		
<2.00	0	0.00
2.00 - 4.70	100	100.00
<u>Iron (ug/dL)</u>		
<45.00	1	1.00
45.00 - 200.00	97	97.00
>200.00	2	2.00
<u>BUN (mg/dL)</u>		
<6.00	1	1.00
6.00 - 25.00	96	96.00
>25.00	3	3.00
<u>Creatinine (mg/dL)</u>		
0.50 - 1.70	100	100.00

C26612

TABLE _____

BLOOD REFERENCE RANGE UNITS

BUN/Creatinine Ratio

3.57 - 25.45	100	100.00
--------------	-----	--------

Uric Acid (mg/dL)

2.50 - 8.50	92	92.00
>8.50	8	8.00

Glucose (mg/dL)

65.00 - 130.00	97	97.00
>130.00	3	3.00

Total Protein (mg/dL)

6.60 - 8.90	100	100.00
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C23613

TABLE _____

BLOOD REFERENCE RANGE UNITS

	<u>f</u>	<u>Σ</u>
<u>Albumin (gm/dL)</u>		
<3.60	1	1.00
3.60 - 5.20	98	98.00
>5.20	1	1.00
<u>Globulin (gm/dL)</u>		
1.90 - 3.70	86	86.00
>3.70	14	14.00
<u>Albumin/Globulin Ratio</u>		
0.46 - 2.63	100	100.00
<u>Total Bilirubin (mg/dL)</u>		
0.10 - 1.70	98	98.00
>1.70	2	2.00
<u>Direct Bilirubin (mg/dL)</u>		
0.00 - 0.30	93	93.00
>0.30	7	7.00
<u>Transaminase, SGO (IU/L)</u>		
1.00 - 50.00	92	92.00
>50.00	8	8.00
<u>Transaminase, SGP (IU/L)</u>		
1.00 - 70.00	92	92.00
>70.00	8	8.00
<u>6-glutamyl Transpeptidase (U/L)</u>		
1.00 - 70.00	97	97.98
>70.00	2	2.02
<u>Alkaline Phosphatase (IU/L)</u>		
10.00 - 50.00	98	98.00
>50.00	2	2.00
<u>LDH (IU/L)</u>		
90.00 - 250.00	98	98.00
>250.00	2	2.00

TABLE _____

BLOOD REFERENCE RANGE UNITS

	<u>1</u>	<u>2</u>
<u>RBC (millions/cu.mm.)</u>		
<4.6	5	5.10
4.6 - 6.2	92	93.88
>6.2	1	1.02
<u>Hemoglobin (gm/dL)</u>		
<14.0	3	3.06
14.0 - 18.00	92	93.88
>18.00	3	2.04
<u>Hematocrit (percent)</u>		
<42.00	3	3.06
42.00 - 54.00	93	94.90
>54.00	2	2.04
<u>MCV (cu.u)</u>		
<80.00	1	1.02
80.00 - 100.00	92	93.88
>100.00	5	5.10
<u>MCH (uug)</u>		
<26.00	2	2.04
26.00 - 33.00	88	89.80
>33.00	8	8.16
<u>MCHC (percent)</u>		
<31.00	2	2.04
31.00 - 36.00	96	97.96

C23615

TABLE _____

BLOOD REFERENCE RANGE UNITS

	<u>#</u>	<u>%</u>
<u>CBC</u>		
<u>WBC (thousand/cu.mm.)</u>		
4.00 - 11.60	95	96.94
>11.60	3	3.06
<u>Differential</u>		
<u>Polys (percent)</u>		
<42.0	2	2.04
42.0 - 81.0	96	97.96
>81.0	0	0.00
<u>Lymphocytes (percent)</u>		
10.0 - 47.0	96	97.96
>47.0	2	2.04
<u>Monocytes (percent)</u>		
0.0 - 10.0	89	90.82
>10.0	9	9.18
<u>Eosinophils (percent)</u>		
0.0 - 8.0	98	100.00
<u>Basophils (percent)</u>		
0.0 - 2.0	97	98.98
>2.0	1	1.02

C23616

TABLE _____

BLOOD REFERENCE RANGE UNITSCBCDifferential
Absolute Values (cells/cu.mm.)Neutrophils

	<u>#</u>	<u>%</u>
1650 - 8330	96	97.96
> 8330	2	2.04

Lymphocytes

< 1049	1	1.02
1049 - 3581	95	96.94
> 3581	2	2.04

Monocytes

61 - 929	97	98.98
> 929	1	1.02

Eosinophils

< 40	5	5.10
40 - 423	93	94.90

Basophils

< 10	3	3.06
10 - 148	94	95.92
> 148	1	1.02

C23617

TABLE _____

BLOOD REFERENCE RANGE UNITS

	<u>#</u>	<u>%</u>
<u>Total Lipids (gm/dL)</u>		
0.30 - 1.00	96	96.97
>1.00	3	3.03
<u>Cholesterol (mg/dL)</u>		
<125	1	1.00
125 - 300	82	82.00
>300	17	17.00
<u>Triglyceride (mg/dL)</u>		
50 - 200	69	69.00
>200	31	31.00
<u>Total Cholesterol (mg/dL)</u>		
<125	1	1.01
125 - 300	88	88.89
>300	10	10.10
<u>C-HDL (mg/dL)</u>		
< 30	18	18.18
30 - 75	76	76.77
>75	5	5.05
<u>C-LDL (mg/dL)</u>		
< 60	1	1.01
60 - 185	74	74.75
>185	24	24.24
<u>C-VLDL (mg/dL)</u>		
0.0 - 40.0	77	77.78
> 40.0	22	22.22

C26618

TABLE _____

Urinalysis

	<u>#</u>	<u>%</u>
<u>Appearance</u>		
Clear	98	100.00
<u>Specific Gravity</u>		
1.008 - 1.036	98	100.00
<u>Acetone</u>		
Negative	97	98.98
1+	1	1.02
<u>Albumin</u>		
Negative	98	100.00
<u>Glucose</u>		
Negative	95	96.94
2+	3	3.06
<u>Blood</u>		
Negative	98	100.00
<u>WBC</u>		
Negative	74	75.51
0 - 2	11	11.22
2 - 5	11	11.22
5 - 10	2	2.04
<u>RBC</u>		
Negative	97	98.98
0 - 2	1	1.02
<u>Casts</u>		
Negative	98	100.00
<u>Bacteria</u>		
None	87	88.78
Slight	10	10.20
Moderate	1	1.02

C26619

TABLE _____
AGE AND EDUCATION

Age $\bar{X} \pm s.e.(n)$
44.17 $\pm$ 1.10(100)

<u>Education</u>	<u>f</u>	<u>%</u>
High School	15	15.00
High School Graduate	50	50.00
Some College	27	27.00
College Graduate +	8	8.00

Table ____
Chloracne by Age and by Education

	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$		$\bar{X} \pm \text{s.e.}(n)$		$\bar{X} \pm \text{s.e.}(n)$		
Age	45.96 $\pm$ 2.06(23)		44.64 $\pm$ 1.47(42)		42.43 $\pm$ 2.25(35)		0.4646
	#	%	#	%	#	%	
<u>Education</u>							
<High School	0	0.00	9	21.43	6	17.14	
High School Graduate	15	65.22	21	50.00	14	40.00	
Some College	6	26.09	10	23.81	11	31.43	
College Graduate +	2	8.70	2	4.76	4	11.43	0.10 $\leq p \leq$ 0.25

C23649

Table ____

Chloracne by Length of Exposure and by
Length of Time Since Cessation of Exposure

	<u>History Only</u>	<u>Residual</u>	<u>Never</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Length of Time in Building 236 (Months)	38.14 $\pm$ 7.74(22)	43.34 $\pm$ 9.03(41)	25.09 $\pm$ 7.32(34)	0.2647
Length of Time Since Building 236 (Months)	135.01 $\pm$ 26.52(22)	114.30 $\pm$ 17.01(42)	142.49 $\pm$ 22.34(34)	0.5779

C26650

Table ____
Chloracne versus Other Exposures at the Plant

Exposure Factors in Relation to Chloracne

	<u>Total</u>	<u>History Only</u> (n=23)		<u>Residual</u> (n=42)		<u>Never</u> (n=35)		<u>p-value</u>
		#	%	#	%	#	%	
Ever in #262 or #268	24	7	30.43	9	21.43	8	22.86	.7049
#262 before #236	7	1	4.35	3	7.14	3	8.57	.8259
#262 after #236	13	5	21.74	4	9.52	4	11.43	.3538
#268 before #236	2	1	4.35	0	0.00	1	2.86	.4415
#268 after #236	10	3	13.04	5	11.90	2	5.71	.5711

C26651

Table ____
Chloracne versus Other Plant Exposures

	<u>History Only</u> (n=23)		<u>Residual</u> (n=42)		<u>Never</u> (n=35)		<u>p-value</u>
	#	%	#	%	#	%	
Ever in #237							
Yes	13	56.52	22	52.38	21	60.00	0.7973
Ever in #262							
Yes	6	26.09	7	16.67	6	17.14	0.75 < p < 0.90
Ever in #268							
Yes	3	13.04	5	11.90	2	5.71	0.5711

026652

Table ____

Chloracne versus Previous Employment Exposures

<u>Previous Employment Exposures</u>	<u>History Only</u> (n=23)		<u>Residual</u> (n=42)		<u>Never</u> (n=35)		<u>p-value</u>
	#	%	#	%	#	%	
Mechanical Work	7	30.43	17	40.48	8	22.86	0.2519
Farming	0	0.00	2	4.76	0	0.00	0.2444
Dust	6	26.09	18	42.86	20	57.14	0.0649
Solvents	8	34.78	16	38.10	15	42.86	0.8166
Cutting Oils	3	13.04	15	35.71	10	28.57	0.1498
Welding/Soldering Fumes	7	30.43	11	26.19	10	28.57	0.9317
Fertilizer	1	4.35	5	11.90	6	17.14	0.3409
Weed Killer	2	8.70	5	11.90	4	11.43	0.9202
Asbestos	1	4.35	1	2.38	1	2.86	0.9042
Animal Feed	0	0.00	1	2.38	2	5.71	0.4376
Radiation	0	0.00	1	2.38	1	2.86	0.7292
Rubber Additives	0	0.00	1	2.38	0	0.00	0.4979

026653

Table ____
Chloracne versus Tobacco and Alcohol Use

	<u>History Only</u>		<u>Residual</u>		<u>Never</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
<u>Smoking Status</u>							
Never	8	34.78	6	15.00	8	22.86	0.1141
Former	5	21.74	7	17.50	12	34.29	
Present	10	43.48	27	67.50	15	42.86	
(Unknown)	0		2		0		
<u>Alcohol Status</u>							
Never	3	13.04	1	2.38	3	8.57	0.3958
Former	1	4.35	5	11.90	5	14.29	
Present	19	82.61	36	85.71	27	77.14	

	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Pack Years*	8.93 $\pm$ 2.96(21)	27.06 $\pm$ 4.42(35)	17.25 $\pm$ 3.70(34)	0.0122

* p=0.0037 for comparison of history only to residual

Former Smokers	8.75 $\pm$ 0.75(4)	23.29 $\pm$ 6.96(7)	13.55 $\pm$ 4.63(11)	0.2720
Pack Years				
Present Smokers	16.94 $\pm$ 5.85(9)	35.64 $\pm$ 5.71(22)	29.17 $\pm$ 6.30(15)	0.1674
Pack Years				

C23654

Table ____
Chloracne versus Family History of Illness

<u>Family History</u>	<u>History Only</u>		<u>Residual</u>		<u>Never</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Asthma	9	39.13	11	26.19	6	17.14	0.1747
Hayfever	5	21.74	11	26.19	8	22.86	0.9048
Acne	7	30.43	18	42.86	16	45.71	0.4861
Eczema	3	13.04	2	4.76	1	2.86	0.2528
Hives	2	8.70	4	9.52	2	5.71	0.8203

C23655

Table ____

Chloracne versus Personal Medical History

<u>Personal Medical History</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Headaches	12	52.17	22	52.38	21	60.00	0.7618
High Blood Pressure (confirmed)	8 6	34.78	5 5	11.90	10 9	28.57	0.0694
Bronchitis	8	34.78	9	21.43	6	17.14	0.2809
Pneumonia (confirmed)	7 1	30.43	5 5	11.90	8 5	22.86	0.1769
Pleurisy (confirmed)	3 2	13.04	7 5	16.67	1 1	2.86	0.1462
Chest Pain (confirmed)	7 3	30.43	12 12	28.57	9 8	25.71	0.9207
Kidney Trouble (confirmed)	2 1	8.70	4 2	9.52	0 0	0.00	0.1777
Bladder Trouble (confirmed)	3 2	13.04	6 3	14.29	3 3	8.57	0.7330
Diabetes (confirmed)	0 0	0.00	2 1	4.76	2 2	5.71	0.5247
Thyroid Problems (confirmed)	2 2	8.70	2 0	4.76	1 0	2.86	0.6051
Stomach Ulcer (confirmed)	4 4	17.39	7 7	16.67	7 6	20.00	0.9272
Colitis (confirmed)	2 1	8.70	4 4	9.52	0 0	0.00	0.1777
Liver Problems (confirmed)	2 2	8.70	2 2	4.76	1 1	2.86	0.6051
Arthritis	8	34.78	12	28.57	8	22.86	0.6093
Teenage Acne (MD treated)	5 0	21.74	19 2	45.24	14 2	40.00	0.1674
Skin Boils (confirmed)	5 1	21.74	18 5	42.86	12 3	34.29	0.2316

Table ____

	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Poison Ivy/Oak	9	39.13	17	40.48	8	22.86	0.2241
Hives	3	13.04	4	9.52	7	20.00	0.4142
Other Rash (confirmed)	12 8	52.17	18 17	42.86	14 10	40.00	0.6462
Skin Cancer (confirmed)	1 1	4.35	0 0	0.00	1 0	2.86	0.4415
Prostate Cancer (confirmed)	0 0	0.00	0 0	0.00	1 1	2.86	0.3914

C26657

Table ____

Chloracne versus Vital Signs

<u>Vital Signs</u>	<u>History Only</u>	<u>Residual Chloracne</u>	<u>Never Chloracne</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Quetelet Index (Height/Weight x100)	38.72 $\pm$ 1.24(23)	36.62 $\pm$ 0.90(42)	38.27 $\pm$ 1.16(35)	0.3436
Systolic BP	123.57 $\pm$ 2.85(23)	119.79 $\pm$ 2.48(42)	123.71 $\pm$ 3.07(35)	0.5071
Diastolic BP	75.09 $\pm$ 1.60(23)	71.71 $\pm$ 1.53(42)	75.71 $\pm$ 2.14(35)	0.2137
Pulse	74.35 $\pm$ 2.31(23)	77.38 $\pm$ 1.58(42)	74.03 $\pm$ 2.21(35)	0.3836
Respiration	19.91 $\pm$ 1.43(23)	19.54 $\pm$ 0.49(39)	18.63 $\pm$ 0.54(35)	0.4900
Height	70.78 $\pm$ 0.56(23)	69.24 $\pm$ 0.41(42)	69.86 $\pm$ 0.46(35)	0.0909
Weight	187.43 $\pm$ 6.79(23)	194.29 $\pm$ 5.56(42)	189.17 $\pm$ 6.72(35)	0.7262
Temperature	97.76 $\pm$ 0.14(22)	97.87 $\pm$ 0.10(40)	97.85 $\pm$ 0.11(33)	0.8156

Table ____

Chloracne versus Dermatologic Findings

<u>Dermatologic Findings</u>	<u>History Only</u> (n=23)		<u>Residual Chloracne</u> (n=42)		<u>Never Chloracne</u> (n=35)		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Chloracne	23	100.00	42	100.00	0	0.00	----
Actinic Elastosis	4	17.39	4	9.52	4	11.43	0.6415
<u>Severity</u>							
Mild	3		1		2		
Moderate	0		3		1		
Severe	1		0		1		
<u>Where</u>							
Face	2		4		4		
Neck	3		2		0		
Malar Hirsutism	1	4.35	4	9.52	0	0.00	
History Acne Vulgaris	6	26.09	18	42.86	18	51.43	0.1588
Acne Vulgaris	1	4.35	4	9.52	15	42.86	
<u>Severity</u>							
Mild	1		2		15		
Moderate	0		2		0		
Folliculitis	4	17.39	5	11.90	1	2.86	0.1695
Actinic Keratoses	2	8.70	1	2.38	0	0.00	0.1571
Basal Cell Epithelioma	0	0.00	0	0.00	0	0.00	----
Squamous Cell Epithelioma	0	0.00	0	0.00	0	0.00	----
Seborrheic Dermatitis	1	4.35	5	11.90	3	8.57	0.5920
Dermatophytosis							
Hands	0		0		1		
Feet	8		12		10		
Nails	1		3		2		
Other	2		7		3		
Psoriasis	0	0.00	0	0.00	0	0.00	----
Atopic Dermatitis	0	0.00	0	0.00	1	2.86	0.3914

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Table ____

	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Poikiloderma							
Face	1		0		0		
Neck	0		0		0		
Chest	0		0		0		
Other	1		0		0		
Dermatofibroma	0	0.00	0	0.00	1	2.86	0.3914
Lipoma	0	0.00	2	4.76	2	5.71	0.5247
Pigmented Nevii	0	0.00	2	4.76	5	14.29	0.0859
Rosacea/Rhinophyma	2	8.70	1	2.38	2	5.71	0.5206
Lichen Simplex Chronicus	0	0.00	2	4.76	1	2.86	0.5594
Alopecia, Other	0	0.00	0	0.00	0	0.00	----
Neurofibroma	0	0.00	0	0.00	0	0.00	----
Leukoderma	0	0.00	0	0.00	0	0.00	----
Petechiae Ecchymoses	0	0.00	0	0.00	1	2.86	0.3914
Dupuytren's Contracture	1	4.35	0	0.00	0	0.00	0.1844
Junctional Nevii	0	0.00	1	2.38	0	0.00	0.4979
Lymphadenopathy	1	4.35	1	2.38	0	0.00	0.4985
Livedo Reticularis	0	0.00	1	2.38	1	2.86	0.7292
Xerosis	1	4.35	1	2.38	2	5.71	0.7551
Pilonidal Cyst	0	0.00	0	0.00	0	0.00	----
Otitis Externa	1	4.35	1	2.38	0	0.00	0.4985
Mild Chronic Dermatitis	1	4.35	0	0.00	0	0.00	0.1844
Xanthelasma	0	0.00	1	2.38	0	0.00	0.4979
Seborrheic Keratoses	1	4.35	3	7.14	4	11.43	0.6012

Table ____

Chloracne versus Clinical Laboratory Findings

	<u>History Only</u>	<u>Residual Chloracne</u>	<u>Never Chloracne</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e. (n)}$	$\bar{X} \pm \text{s.e. (n)}$	$\bar{X} \pm \text{s.e. (n)}$	
Sodium (age adjusted)	139.70 $\pm$ 0.48(23) 139.67 $\pm$ 0.53	138.81 $\pm$ 0.43(42) 138.80 $\pm$ 0.39	139.03 $\pm$ 0.40(35) 139.06 $\pm$ 0.43	0.3999 0.4254
Magnesium (age adjusted)	2.05 $\pm$ 0.04(23) 2.04 $\pm$ 0.04	2.00 $\pm$ 0.03(42) 2.00 $\pm$ 0.03	2.00 $\pm$ 0.04(35) 2.01 $\pm$ 0.04	0.6680 0.7307
Potassium (age adjusted)	4.60 $\pm$ 0.07(23) 4.59 $\pm$ 0.09	4.43 $\pm$ 0.07(42) 4.43 $\pm$ 0.06	4.52 $\pm$ 0.07(35) 4.53 $\pm$ 0.07	0.2790 0.2838
Chloride (age adjusted)	104.45 $\pm$ 0.42(22) 104.48 $\pm$ 0.74	103.67 $\pm$ 0.55(42) 103.67 $\pm$ 0.53	102.89 $\pm$ 0.67(35) 102.86 $\pm$ 0.59	0.2418 0.2299
Calcium (age adjusted)	9.73 $\pm$ 0.07(23) 9.73 $\pm$ 0.08	9.74 $\pm$ 0.06(42) 9.74 $\pm$ 0.06	9.81 $\pm$ 0.06(35) 9.81 $\pm$ 0.07	0.6501 0.6908
Phosphorous (age adjusted)	2.91 $\pm$ 0.08(23) 2.92 $\pm$ 0.08	2.82 $\pm$ 0.05(42) 2.82 $\pm$ 0.06	2.81 $\pm$ 0.06(35) 2.80 $\pm$ 0.06	0.5220 0.4597
Iron (age adjusted)	118.70 $\pm$ 10.50(23) 120.35 $\pm$ 7.07	103.38 $\pm$ 4.58(42) 103.82 $\pm$ 5.22	112.97 $\pm$ 4.85(35) 111.36 $\pm$ 5.74	0.2131 0.1701
BUN (age adjusted)	14.65 $\pm$ 0.61(23) 14.59 $\pm$ 0.84	15.10 $\pm$ 0.62(42) 15.08 $\pm$ 0.62	15.09 $\pm$ 0.77(35) 15.15 $\pm$ 0.68	0.8993 0.8614
Creatinine (age adjusted)	1.32 $\pm$ 0.02(23) 1.32 $\pm$ 0.04	1.27 $\pm$ 0.03(42) 1.27 $\pm$ 0.03	1.34 $\pm$ 0.04(35) 1.34 $\pm$ 0.04	0.3007 0.2903
BUN/Creatinine (age adjusted)	11.16 $\pm$ 0.52(23) 11.11 $\pm$ 0.77	12.36 $\pm$ 0.65(42) 12.35 $\pm$ 0.57	11.63 $\pm$ 0.63(35) 11.67 $\pm$ 0.63	0.4244 0.4213
Uric Acid (age adjusted)	6.18 $\pm$ 0.27(23) 6.16 $\pm$ 0.30	6.26 $\pm$ 0.21(42) 6.26 $\pm$ 0.22	6.16 $\pm$ 0.27(35) 6.18 $\pm$ 0.25	0.9484 0.9576
Glucose (age adjusted)	91.96 $\pm$ 1.35(23) 91.04 $\pm$ 4.18	99.10 $\pm$ 4.37(42) 98.85 $\pm$ 3.08	98.86 $\pm$ 2.52(35) 99.75 $\pm$ 3.39	0.3615 0.2274

Table ____

	History Only	Residual Chloracne	Never Chloracne	p-value
	$\bar{X} \pm$ s.e. (n)	$\bar{X} \pm$ s.e. (n)	$\bar{X} \pm$ s.e. (n)	
Total Protein (age adjusted)	7.67 $\pm$ 0.10 (23) 7.68 $\pm$ 0.11	7.67 $\pm$ 0.08 (42) 7.68 $\pm$ 0.08	7.69 $\pm$ 0.09 (35) 7.68 $\pm$ 0.09	0.9838 0.9980
Albumin (age adjusted)	4.50 $\pm$ 0.05 (23) 4.51 $\pm$ 0.07	4.39 $\pm$ 0.07 (42) 4.39 $\pm$ 0.05	4.50 $\pm$ 0.04 (35) 4.48 $\pm$ 0.06	0.3106 0.3243
Globulin (age adjusted)	3.17 $\pm$ 0.08 (23) 3.16 $\pm$ 0.10	3.28 $\pm$ 0.09 (42) 3.28 $\pm$ 0.08	3.19 $\pm$ 0.08 (35) 3.20 $\pm$ 0.08	0.6057 0.6111
Albumin/Globulin (age adjusted)	1.44 $\pm$ 0.04 (23) 1.44 $\pm$ 0.05	1.38 $\pm$ 0.05 (42) 1.38 $\pm$ 0.04	1.44 $\pm$ 0.04 (35) 1.43 $\pm$ 0.04	0.5599 0.5808
Total Bilirubin (age adjusted)	0.69 $\pm$ 0.03 (23) 0.70 $\pm$ 0.06	0.72 $\pm$ 0.06 (42) 0.72 $\pm$ 0.05	0.67 $\pm$ 0.04 (35) 0.67 $\pm$ 0.05	0.8004 0.7718
Direct Bilirubin (age adjusted)	0.19 $\pm$ 0.01 (23) 0.19 $\pm$ 0.02	0.20 $\pm$ 0.02 (42) 0.20 $\pm$ 0.02	0.18 $\pm$ 0.01 (35) 0.18 $\pm$ 0.02	0.8071 0.7732
SGOT (age adjusted)	35.78 $\pm$ 7.53 (23) 35.26 $\pm$ 4.35	32.14 $\pm$ 2.03 (42) 32.00 $\pm$ 3.21	30.77 $\pm$ 2.40 (35) 31.28 $\pm$ 3.54	0.6668 0.7638
SGPT (age adjusted)	50.61 $\pm$ 11.48 (23) 50.01 $\pm$ 6.48	39.88 $\pm$ 2.14 (42) 39.72 $\pm$ 4.78	42.91 $\pm$ 3.99 (35) 43.50 $\pm$ 5.26	0.4122 0.4444
GGTP (age adjusted)	21.09 $\pm$ 3.01 (23) 20.67 $\pm$ 3.52	19.20 $\pm$ 2.22 (41) 19.07 $\pm$ 2.63	24.60 $\pm$ 3.54 (35) 25.03 $\pm$ 2.86	0.3818 0.3018
Alkaline Phosphatase (age adjusted)	31.00 $\pm$ 1.41 (23) 30.88 $\pm$ 1.67	30.29 $\pm$ 1.44 (42) 30.25 $\pm$ 1.23	32.23 $\pm$ 1.16 (35) 32.34 $\pm$ 1.36	0.5682 0.5194
LDH (age adjusted)	176.78 $\pm$ 5.98 (23) 176.97 $\pm$ 6.62	181.76 $\pm$ 4.73 (42) 181.81 $\pm$ 4.88	180.89 $\pm$ 5.76 (35) 180.71 $\pm$ 5.37	0.8234 0.8374

Table ____

	<u>History Only</u>	<u>Residual Chloracne</u>	<u>Never Chloracne</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e. (n)}$	$\bar{X} \pm \text{s.e. (n)}$	$\bar{X} \pm \text{s.e. (n)}$	
WBC	6.67 $\pm$ 0.43(23)	7.28 $\pm$ 0.28(40)	6.94 $\pm$ 0.29(35)	0.4206
(age adjusted)	6.59 $\pm$ 0.37	7.27 $\pm$ 0.28	7.01 $\pm$ 0.30	0.3382
RBC	5.11 $\pm$ 0.06(23)	5.11 $\pm$ 0.05(40)	5.19 $\pm$ 0.11(35)	0.6849
(age adjusted)	5.10 $\pm$ 0.09	5.11 $\pm$ 0.07	5.20 $\pm$ 0.08	0.6303
HGB	15.70 $\pm$ 0.22(23)	15.67 $\pm$ 0.19(40)	15.88 $\pm$ 0.22(35)	0.7195
(age adjusted)	15.67 $\pm$ 0.25	15.66 $\pm$ 0.19	15.90 $\pm$ 0.20	0.6581
HCT	47.84 $\pm$ 0.63(23)	47.52 $\pm$ 0.50(40)	48.07 $\pm$ 0.74	0.8032
(age adjusted)	47.75 $\pm$ 0.75	47.50 $\pm$ 0.57	48.15 $\pm$ 0.61	0.7421
MCV	93.65 $\pm$ 0.83(23)	93.04 $\pm$ 0.79(40)	92.91 $\pm$ 0.80(35)	0.8259
(age adjusted)	93.57 $\pm$ 0.98	93.02 $\pm$ 0.74	92.98 $\pm$ 0.79	0.8787
MCH	30.71 $\pm$ 0.24(23)	30.68 $\pm$ 0.31(40)	30.74 $\pm$ 0.32(35)	0.9905
(age adjusted)	30.69 $\pm$ 0.37	30.68 $\pm$ 0.28	30.75 $\pm$ 0.30	0.9850
MCHC	32.81 $\pm$ 0.15(23)	32.96 $\pm$ 0.12(40)	33.07 $\pm$ 0.17(35)	0.5166
(age adjusted)	32.82 $\pm$ 0.18	32.96 $\pm$ 0.13	33.06 $\pm$ 0.14	0.5984

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Table ____

	<u>History Only</u>	<u>Residual Chloracne</u>	<u>Never Chloracne</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Polys (%)	60.36 $\pm$ 1.56(23)	59.70 $\pm$ 1.19(40)	57.51 $\pm$ 1.43(35)	0.3288
(age adjusted)	60.14 $\pm$ 1.63	59.67 $\pm$ 1.23	57.69 $\pm$ 1.32	0.4249
Lymphocytes (%)	29.02 $\pm$ 1.61(23)	30.12 $\pm$ 1.11(40)	32.46 $\pm$ 1.24(35)	0.1792
(age adjusted)	29.24 $\pm$ 1.51	30.15 $\pm$ 1.14	32.28 $\pm$ 1.23	0.2526
Monocytes (%)	7.35 $\pm$ 0.43(23)	7.22 $\pm$ 0.38(40)	7.12 $\pm$ 0.32(35)	0.9233
(age adjusted)	7.34 $\pm$ 0.45	7.22 $\pm$ 0.34	7.12 $\pm$ 0.37	0.9349
Eosinophils (%)	2.62 $\pm$ 0.31(23)	2.21 $\pm$ 0.19(40)	2.19 $\pm$ 0.21(35)	0.3901
(age adjusted)	2.63 $\pm$ 0.27	2.21 $\pm$ 0.20	2.18 $\pm$ 0.22	0.3728
Basophils (%)	0.65 $\pm$ 0.09(23)	0.76 $\pm$ 0.09(40)	0.73 $\pm$ 0.06(35)	0.6772
(age adjusted)	0.65 $\pm$ 0.10	0.76 $\pm$ 0.07	0.73 $\pm$ 0.08	0.6900

C26634

Table ____

	<u>History Only</u>	<u>Residual Chloracne</u>	<u>Never Chloracne</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e. (n)}$	$\bar{X} \pm \text{s.e. (n)}$	$\bar{X} \pm \text{s.e. (n)}$	
Poly (Abs)	4077.70 + 313.90(23)	4405.15 + 229.14(40)	4079.06 + 264.05(35)	0.5738
(age adjusted)	4010.17 + 305.65	4395.40 + 230.95	4134.57 + 247.80	0.5596
Lymph (Abs)	1886.83 + 125.30(23)	2148.48 + 95.06(40)	2177.11 + 80.36(35)	0.1219
(age adjusted)	1875.95 + 116.95	2146.90 + 88.37	2186.05 + 94.82	0.0985
Mono (Abs)	488.70 + 38.99(23)	516.15 + 29.29(40)	482.31 + 25.07(35)	0.6746
(age adjusted)	483.55 + 35.94	515.41 + 27.16	486.55 + 29.14	0.6956
Eos (Abs)	171.96 + 20.51(23)	156.83 + 13.96(40)	151.00 + 16.21(35)	0.7004
(age adjusted)	171.39 + 19.65	156.74 + 14.84	151.46 + 15.93	0.7286
Baso (Abs)	42.04 + 6.36(23)	54.05 + 5.85(40)	48.86 + 4.25(35)	0.3520
(age adjusted)	41.69 + 6.65	54.00 + 5.03	49.15 + 5.39	0.3395

C26665

Table ____

Mod ference Range Units	History Only	Residual Chloracne	Never Chloracne	p-value
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Cal Lipids (gm/dL) ge adjusted)	0.66 $\pm$ 0.03(23) 0.65 $\pm$ 0.04	0.67 $\pm$ 0.03(41) 0.67 $\pm$ 0.03	0.68 $\pm$ 0.04(35) 0.68 $\pm$ 0.03	0.8901 0.7835
Cholesterol (mg/dL) ge adjusted)	238.39 $\pm$ 8.20(23) 236.57 $\pm$ 10.41	239.74 $\pm$ 9.51(42) 239.26 $\pm$ 7.69	240.54 $\pm$ 7.13(35) 242.32 $\pm$ 8.45	0.9876 0.9105
Triglyceride (mg/dL) ge adjusted)	163.96 $\pm$ 14.39(23) 162.10 $\pm$ 19.12	199.55 $\pm$ 16.05(42) 199.06 $\pm$ 14.11	175.51 $\pm$ 14.96(35) 177.32 $\pm$ 15.52	0.2778 0.2728
Total Cholesterol (mg/dL) ge adjusted)	232.26 $\pm$ 8.00(23) 230.49 $\pm$ 9.73	233.66 $\pm$ 8.28(41) 233.38 $\pm$ 7.26	241.49 $\pm$ 7.70(35) 242.97 $\pm$ 7.89	0.7012 0.5450
HDL (mg/dL) ge adjusted)	48.65 $\pm$ 3.24(23) 49.00 $\pm$ 3.68	41.32 $\pm$ 2.66(41) 41.37 $\pm$ 2.75	51.74 $\pm$ 3.29(35) 51.45 $\pm$ 2.99	0.0344* 0.0394*
p=0.0117 for comparison of residual chloracne to never chloracne				
p=0.0148 for comparison of residual chloracne to never chloracne				
LDL (mg/dL) ge adjusted)	152.13 $\pm$ 7.21(23) 150.53 $\pm$ 9.08	158.98 $\pm$ 7.98(41) 158.72 $\pm$ 6.78	155.57 $\pm$ 6.88(35) 156.92 $\pm$ 7.37	0.8337 0.7649
VLDL (mg/dL) ge adjusted)	32.17 $\pm$ 4.40(23) 31.37 $\pm$ 5.85	34.61 $\pm$ 2.43(41) 34.48 $\pm$ 4.37	34.23 $\pm$ 6.91(35) 34.91 $\pm$ 4.74	0.9432 0.8831

Table ____

	<u>History</u> <u>Only</u>				<u>Residual</u> <u>Chloracne</u>				<u>Never</u> <u>Chloracne</u>			
	$\bar{X} \pm \text{s.e.}(n)$				$\bar{X} \pm \text{s.e.}(n)$				$\bar{X} \pm \text{s.e.}(n)$			
ge adjusted)	5.17	+	0.08	(23)	5.27	+	0.08	(41)	5.38	+	0.10	(34)
	5.19	$\pm$	0.11		5.27	$\pm$	0.08		5.37	$\pm$	0.09	
ecific Gravity	1.02352	+	0.0808	(23)	1.0220	+	0.0010	(41)	1.0239	+	0.0009	(34)
	1.0237	$\pm$	0.0013		1.0220	$\pm$	0.0010		1.0237	$\pm$	0.00106	
ge adjusted)												

026637

Table
Chloracne v Clinical Laboratory Findings

<u>Blood Reference Range Units</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Sodium(mmol/L)</u>							
134.00 - 146.00	23	100.00	12	100.00	35	100.00	-----
<u>Magnesium(meq/L)</u>							
< 1.60	1	4.35	1	2.38	0	0.00	
1.60 - 2.20	18	78.26	36	85.71	31	88.57	
> 2.20	4	17.39	5	11.90	4	11.43	0.7378
<u>Potassium(mmol/L)</u>							
3.50 - 5.50	23	100.00	42	100.00	34	97.14	
> 5.50	0	0.00	0	0.00	1	2.86	0.3914
<u>Chloride(mmol/L)</u>							
< 96.00	0	0.00	0	0.00	2	5.71	
96.00 - 110.00	22	100.00	42	100.00	32	91.43	
> 110.00	0	0.00	0	0.00	1	2.86	0.2263
<u>Calcium(mg/dL)</u>							
< 8.80	0	0.00	1	2.38	0	0.00	
8.80 - 10.80	23	100.00	41	97.62	35	100.00	0.4979
<u>Phosphorus(mg/dL)</u>							
2.00 - 4.70	23	100.00	42	100.00	35	100.00	-----
<u>Iron(ug/dL)</u>							
< 45.00	1	4.35	0	0.00	0	0.00	
45.00 - 200.00	20	86.96	42	100.00	35	100.00	
> 200.00	2	8.70	0	0.00	0	0.00	0.0349*
<u>BUN(mg/dL)</u>							
< 6.00	0	0.00	1	2.38	0	0.00	
6.00 - 25.00	23	100.00	40	95.24	33	94.29	
> 25.00	0	0.00	1	2.38	2	5.71	0.5519
<u>Creatinine(mg/dL)</u>							
0.50 - 1.70	23	100.00	42	100.00	35	100.00	-----
<u>Bun/Creatinine Ratio</u>							
3.57 - 25.45	23	100.00	42	100.00	35	100.00	-----
<u>Uric Acid(mg/dL)</u>							
2.50 - 8.50	22	95.65	38	90.48	32	91.43	
> 8.50	1	4.35	4	9.52	3	8.57	0.7540

C26668

Table
Chloracne v Clinical Laboratory Findings

<u>Blood Reference Range Units</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Glucose(mg/dL)</u>							
65.00 - 130.00	23	100.00	41	97.62	33	94.29	0.4376
> 130.00	0	0.00	1	2.38	2	5.71	
<u>Total Protein(gm/dL)</u>							
6.60 - 8.90	23	100.00	42	100.00	35	100.00	-----
<u>Albumin(gm/dL)</u>							
< 3.60	0	0.00	1	2.38	0	0.00	0.5887
3.60 - 5.20	23	100.00	40	95.24	35	100.00	
> 5.20	0	0.00	1	2.38	0	0.00	
<u>Globulin(gm/dL)</u>							
1.90 - 3.70	21	91.30	35	83.33	30	85.71	0.6744
> 3.70	2	8.70	7	16.67	5	14.29	
<u>Albumin/Globulin Ratio</u>							
0.46 - 2.63	23	100.00	42	100.00	35	100.00	-----
<u>Total Bilirubin(mg/dL)</u>							
0.10 - 1.70	23	100.00	40	95.24	35	100.00	0.2444
> 1.70	0	0.00	2	4.76	0	0.00	
<u>Direct Bilirubin(mg/dL)</u>							
0.00 - 0.30	23	100.00	40	95.24	30	85.71	0.0859
> 0.30	0	0.00	2	4.76	5	14.29	
<u>Transaminase, SGO(IU/L)</u>							
1.00 - 50.00	22	95.65	39	92.86	31	88.57	0.6012
> 50.00	1	4.35	3	7.14	4	11.43	
<u>Transaminase, SGP(IU/L)</u>							
1.00 - 70.00	21	91.30	40	95.24	31	88.57	0.5564
> 70.00	2	8.70	2	4.76	4	11.43	
<u>G-glutamyl Transpeptidase (U/L)</u>							
1.00 - 70.00	23	100.00	41	100.00	33	94.29	0.1547
> 70.00	0	0.00	0	0.00	2	5.71	
<u>Alkaline Phosphatase(IU/L)</u>							
10.00 - 50.00	23	100.00	40	95.24	35	100.00	0.2444
> 50.00	0	0.00	2	4.76	0	0.00	
<u>LDH(IU/L)</u>							

C26639

Table ____
Chloracne v Clinical Laboratory Findings

<u>Blood Reference Range Units</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>RBC(millions/cu.mm.)</u>							
< 4.6	0	0.00	1	2.50	4	11.43	0.1558
4.6 - 6.2	23	100.00	39	97.50	30	85.71	
> 6.2	0	0.00	0	0.00	1	2.86	
<u>Hemoglobin(gm/dL)</u>							
< 14.0	0	0.00	2	5.00	1	2.86	0.5794
14.0 - 18.00	23	100.00	37	92.50	32	91.43	
> 18.00	0	0.00	1	2.50	2	5.71	
<u>Hematocrit(percent)</u>							
< 42.00	0	0.00	1	2.50	2	5.71	0.6840
42.00 - 54.00	23	100.00	38	95.00	32	91.43	
> 54.00	0	0.00	1	2.50	1	2.86	
<u>MCV(cu.u)</u>							
< 80.00	0	0.00	1	2.50	0	0.00	0.6656
80.00 - 100.00	22	95.65	36	90.00	34	97.14	
> 100.00	1	4.35	3	7.50	1	2.86	
<u>MCH(uug)</u>							
< 26.00	0	0.00	1	2.50	1	2.86	0.4809
26.00 - 33.00	23	100.00	35	87.50	30	85.71	
> 33.00	0	0.00	4	10.00	4	11.43	
<u>MCHC(percent)</u>							
< 31.00	0	0.00	1	2.50	1	2.86	0.7269
31.00 - 36.00	23	100.00	39	97.50	34	97.14	

C26670

Table _____

Chloracne v Clinical Laboratory Findings

<u>Blood Reference Range Units</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>CBC</u>							
<u>WBC(thousand/cu.mm.)</u>							
4.00 - 11.60	22	95.65	39	97.50	34	97.14	0.9159
> 11.60	1	4.35	1	2.50	1	2.86	
<u>Differential Polys(percent)</u>							
< 42.00	0	0.00	0	0.00	2	5.71	0.1529
42.00 - 81.0	23	100.00	40	100.00	33	94.29	
> 81.0	0	0.00	0	0.00	0	0.00	
<u>Lymphocytes(percent)</u>							
10.0 - 47.0	23	100.00	40	100.00	33	94.29	0.1592
> 47.0	0	0.00	0	0.00	2	5.71	
<u>Monocytes(percent)</u>							
0.0 - 10.0	20	86.96	35	87.50	34	97.14	0.2701
> 10.0	3	13.04	5	12.50	1	2.86	
<u>Eosinophils(percent)</u>							
0.0 - 8.0	23	100.00	40	100.00	35	100.00	-----
<u>Basophils(percent)</u>							
0.0 - 2.0	23	100.00	39	97.50	35	100.00	0.4807
> 2.0	0	0.00	1	2.50	0	0.00	

C26671

Table ____

Chloracne v Clinical Laboratory Findings

Blood
Reference Range Units

CBC

Differential
Absolute Values (cells/cu.mm)

	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Neutrophils</u>							
1650 - 8330	23	100.00	39	97.50	34	97.14	0.7269
> 8330	0	0.00	1	2.50	1	2.86	
<u>Lymphocytes</u>							
< 1049	1	4.35	0	0.00	0	0.00	0.4209
1049 - 3581	22	95.65	39	97.50	34	97.14	
> 3581	0	0.00	1	2.50	1	2.86	
<u>Monocytes</u>							
61 - 929	23	100.00	39	97.50	35	100.00	0.4807
> 929	0	0.00	1	2.50	0	0.00	
<u>Eosinophils</u>							
< 40	1	4.35	1	2.50	3	8.57	0.4828
40-423	22	95.65	39	97.50	32	91.43	
<u>Basophils</u>							
< 10	2	8.70	0	0.00	1	2.86	0.2741
10 - 148	21	91.30	39	97.50	34	97.14	
> 148	0	0.00	1	2.50	0	0.00	

C26672

Table _____

Chloracne versus Clinical Laboratory Findings

<u>Blood Reference Range Units</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Total Lipids(gm/dL)</u>							
0.30 - 1.00	22	95.65	40	97.56	34	97.14	0.9102
> 1.00	1	4.35	1	2.44	1	2.86	
<u>Cholesterol(mg/dL)</u>							
< 125	0	0.00	1	2.38	0	0.00	0.5708
125-300	21	91.30	33	78.57	28	80.00	
> 300	2	8.70	8	19.05	7	20.00	
<u>Triglyceride(mg/dL)</u>							
50 - 200	19	82.61	25	59.52	25	71.43	0.1458
> 200	4	17.39	17	40.48	10	28.57	
<u>Total Cholesterol(mg/dL)</u>							
< 125	0	0.00	1	2.44	0	0.00	0.5162
125 - 300	21	91.30	34	82.93	33	94.29	
> 300	2	8.70	6	14.63	2	5.71	
<u>C-HDL (mg/dL)</u>							
< 30	3	13.04	9	21.95	6	17.14	0.2262
30 - 75	20	86.96	31	75.61	25	71.43	
> 75	0	0.00	1	2.44	4	11.43	
<u>C-LDL (mg/dl)</u>							
< 60	0	0.00	1	2.44	0	0.00	0.7783
60 - 185	18	78.26	29	70.73	27	77.14	
> 185	5	21.74	11	26.83	8	22.86	
<u>C-VLDL (mg/dL)</u>							
0.0 - 40.0	19	82.61	26	63.41	32	91.43	0.0112*
> 40.0	4	17.39	15	36.59	3	8.57	

*p=0.0112 for comparison of residual chloracne to never chloracne.

023673

Table ____

Chloracne versus Clinical Laboratory Findings

<u>Urinalysis</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Appearance</u>							
Clear	23	100.00	41	100.00	34	100.00	-----
<u>Specific Gravity</u>							
1.008 - 1.036	23	100.00	41	100.00	34	100.00	-----
<u>Acetone</u>							
Negative	22	95.65	41	100.00	34	100.00	0.1926
1+	1	4.35	0	0.00	0	0.00	
<u>Albumin</u>							
Negative	23	100.00	41	100.00	34	100.00	-----
<u>Glucose</u>							
Negative	23	100.00	40	97.56	32	94.12	0.4292
2+	0	0.00	1	2.44	2	5.88	
<u>Blood</u>							
Negative	23	100.00	41	100.00	34	100.00	-----
<u>WBC</u>							
Negative	15	65.22	32	78.05	27	79.41	.25 < p < .50
0 - 2	6	26.09	3	7.32	2	5.88	
2 - 5	2	8.70	5	12.20	4	11.76	
5 - 10	0	0.00	1	2.44	1	2.94	
<u>RBC</u>							
Negative	22	95.65	41	100.00	34	100.00	0.1926
0 - 2	1	4.35	0	0.00	0	0.00	
<u>Casts</u>							
Negative	23	100.00	41	100.00	34	100.00	-----
<u>Bacteria</u>							
None	21	91.30	38	92.68	28	82.35	0.3226
Slight	2	8.70	2	4.88	6	17.65	
Moderate	0	0.00	1	2.44	0	0.00	

Table ____

Chloracne versus Clinical Laboratory Findings

<u>Urinalysis</u>	<u>History Only</u>		<u>Residual Chloracne</u>		<u>Never Chloracne</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Crystals</u>							
None	23	100.00	39	95.12	34	100.00	0.2419
Uric Acid	0	0.00	0	0.00	0	0.00	
Calcium Oxalate	0	0.00	2	4.88	0	0.00	
<u>Yeast</u>							
Negative	23	100.00	41	100.00	34	100.00	-----
<u>PH</u>							
5	19	82.61	31	75.61	23	67.65	0.6312
6	4	17.39	9	21.95	9	26.47	
7	0	0.00	1	2.44	2	5.88	

C26675

Table ____

Severity of Chloracne versus Demographic Factors

	<u>Mild</u>		<u>Moderate</u>		<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$		$\bar{X} \pm \text{s.e.}(n)$		
Age	44.69 $\pm$ 1.75(29)		44.54 $\pm$ 2.80(13)		0.9627
<u>Education</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
< High School	7	24.14	2	15.38	0.50 $\leq p \leq$ 0.75
High School Graduate	13	44.83	8	61.54	
Some College	7	24.14	3	23.08	
College Graduate+	2	6.90	0	0.00	

026676

Table ____

Severity of Chloracne versus Length of Exposure and
Length of Time since Cessation of Exposure

	<u>Mild</u>	<u>Moderate</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Length of Time in Building 236 (Months)	47.68 $\pm$ 12.37(28)	34.00 $\pm$ 10.23(13)	0.4878
Length of Time Since Building 236 (Months)	118.44 $\pm$ 19.84(29)	105.05 $\pm$ 33.70(13)	0.7208

C26677

Table ____

Severity of Chloracne versus Other Plant Exposures

	<u>Mild</u> <u>(n=29)</u>		<u>Moderate</u> <u>(n=13)</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
Ever in #237 Yes	15	51.72	7	53.85	1.0000
Ever in #262 Yes	4	13.79	3	23.08	0.6567
Ever in #268 Yes	3	10.34	2	15.38	0.6370

023678

Table ____

Severity of Chlorance versus Previous Employment Exposures

<u>Previous Employment</u>	<u>Mild</u> (n=29)		<u>Moderate</u> (n=13)		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
Mechanical Work	10	34.48	7	53.85	0.3141
Farming	2	6.90	0	0.00	1.0000
Dust	15	51.72	3	23.08	0.1038
Solvents	11	37.93	5	38.46	1.0000
Cutting Oils	9	31.03	6	46.15	0.4880
Welding/Soldering Fumes	8	27.59	3	23.08	1.0000
Fertilizer	4	13.79	1	7.69	1.0000
Weed Killer	2	6.90	3	23.08	0.1624
Asbestos	1	3.45	0	0.00	1.0000
Animal Feed	1	3.45	0	0.00	1.0000
Radiation	1	3.45	0	0.00	1.0000
Rubber Additives	1	3.45	0	0.00	1.0000

C23679

Table ____

Severity of Chloracne versus Alcohol and Tobacco Use

	<u>Mild</u> (n=29)		<u>Moderate</u> (n=13)		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
<u>Smoking Status</u>					
Never	5	17.86	1	8.33	0.7198
Former	5	17.86	2	16.67	
Present	18	64.29	9	75.00	
(Unknown)	1		1		
<u>Alcohol Status</u>					
Never	0	0.00	1	7.69	0.2736
Former	3	10.34	2	15.38	
Present	26	89.66	10	76.92	
	$\bar{X} \pm \text{s.e. (n)}$		$\bar{X} \pm \text{s.e. (n)}$		
Pack Years	23.10 + 4.72(25)		36.95 + 9.70(10)		0.1598

026630

Table ____

Severity of Chloracne versus Family History of Illness

<u>Family History</u>	<u>Mild</u> (n=29)		<u>Moderate</u> (n=13)		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Asthma	9	31.03	2	15.38	0.4525
Hayfever	6	20.69	5	38.46	0.2700
Acne	12	41.38	6	46.15	1.0000
Eczema	1	3.45	1	7.69	0.5285
Hives	4	13.79	0	0.00	0.2927

C26631

Table ____

Severity of Chloracne versus Personal Medical History

<u>Personal Medical History</u>	<u>Mild</u> (n=29)		<u>Moderate</u> (n=13)		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Headaches	15	51.72	7	53.85	1.0000
High Blood Pressure	4	13.79	1	7.69	1.0000
Bronchitis	7	24.14	2	15.38	0.6953
Pneumonia	4	13.79	1	7.69	1.0000
Pleurisy	5	17.24	2	15.38	1.0000
Chest Pain	9	31.03	3	23.08	0.7225
Kidney Trouble	4	13.79	0	0.00	0.2927
Bladder Trouble	5	17.24	1	7.69	0.6468
Diabetes	1	3.45	1	7.69	0.5285
Thyroid Problems	2	6.90	0	0.00	1.0000
Stomach Ulcer	5	17.24	2	15.38	1.0000
Colitis	4	13.79	0	0.00	0.2927
Liver Problems	2	6.90	0	0.00	1.0000
Arthritis	8	27.59	4	30.77	1.0000
Teenage Acne	13	44.83	6	46.15	1.0000
Skin Boils	12	41.38	6	46.15	1.0000
Poison Ivy/Oak	14	48.28	3	23.08	0.1791
Hives	3	10.34	1	7.69	1.0000
Other Rash	14	48.28	4	30.77	0.3334
Skin Cancer	0	0.00	0	0.00	-----
Prostate Cancer	0	0.00	0	0.00	-----

026632

Table ____

Severity of Chloracne versus Vital Signs

<u>Vital Signs</u>	<u>Mild</u>	<u>Moderate</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Quetelet Index (Height/Weight x 100)	37.29 $\pm$ 0.98(29)	35.13 $\pm$ 1.90(13)	0.2706
Systolic BP	117.93 $\pm$ 3.02(29)	123.92 $\pm$ 4.24(13)	0.2683
Diastolic BP	70.21 $\pm$ 1.96(29)	75.08 $\pm$ 2.13(13)	0.1435
Pulse	78.69 $\pm$ 2.03(29)	74.46 $\pm$ 2.22(13)	0.2194
Respiration	19.41 $\pm$ 0.64(27)	19.83 $\pm$ 0.72(12)	0.6938
Height	68.62 $\pm$ 0.48(29)	70.62 $\pm$ 0.67(13)	0.0236
Weight	187.45 $\pm$ 4.99(29)	209.54 $\pm$ 13.55(13)	0.0654
Temperature	97.86 $\pm$ 0.12(28)	97.88 $\pm$ 0.15(12)	0.9018

C26633

Table ____

Severity of Chloracne versus Dermatologic Findings

<u>Dermatologic Findings</u>	<u>Mild</u> (n=29)		<u>Moderate</u> (n=13)		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Actinic Elastosis	2	6.90	2	15.38	0.5756
<u>Severity</u>					
Mild	1		0		
Moderate	1		2		
Severe	0		0		
<u>Where</u>					
Face	2		2		
Neck	0		2		
Malar Hirsutism	3	10.34	1	7.69	1.0000
History Acne Vulgaris	10	34.48	8	61.54	0.1766
Acne Vulgaris	1	3.45	3	23.08	0.0805
<u>Severity</u>					
Mild	1		1		
Moderate	0		2		
Folliculitis	2	6.90	3	23.08	0.1624
Actinic Keratoses	0	0.00	1	7.69	0.3095
Basal Cell Epithelioma	0	0.00	0	0.00	-----
Squamous Cell Epithelioma	0	0.00	0	0.00	-----
Seborrheic Dermatitis	5	17.24	0	0.00	0.3020
Dermatophytosis					
Hands	0	0.00	0	0.00	-----
Feet	8	27.59	4	30.77	1.0000
Nails	3	10.34	0	0.00	0.5402
Other	5	17.24	2	15.38	1.0000
Psoriasis	0	0.00	0	0.00	-----
Atopic Dermatitis	0	0.00	0	0.00	-----

C26634

Table ____

Severity of Chloracne versus Dermatologic Findings

<u>Dermatologic Findings</u>	<u>Mild</u> <u>(n=29)</u>		<u>Moderate</u> <u>(n=13)</u>		<u>p-value</u>
	<u>#</u>	<u>% Yes</u>	<u>#</u>	<u>% Yes</u>	
Poikiloderma					
Face	0	0.00	0	0.00	-----
Neck	0	0.00	0	0.00	-----
Chest	0	0.00	0	0.00	-----
Other	0	0.00	0	0.00	-----
Dermatofibroma	0	0.00	0	0.00	-----
Lipoma	0	0.00	2	15.38	0.0906
Pigmented Nevii	2	6.90	0	0.00	1.0000
Rosacea/Rhinophyma	1	3.45	0	0.00	1.0000
Lichen Simplex Chronicus	1	3.45	1	7.69	0.5285
Alopecia Other	0	0.00	0	0.00	-----
Neurofibroma	0	0.00	0	0.00	-----
Leukoderma	0	0.00	0	0.00	-----
Petechiae Ecchymoses	0	0.00	0	0.00	-----
Dupuytren's Contracture	0	0.00	0	0.00	-----
Junctional Nevii	1	3.45	0	0.00	1.0000
Lymphadenopathy	0	0.00	1	7.69	0.3095
Livedo Reticularis	1	3.45	0	0.00	1.0000
Xerosis	1	3.45	0	0.00	1.0000
Pilonidal Cyst	0	0.00	0	0.00	-----
Otitis Externa	0	0.00	1	7.69	0.3095
Mild Chronic Dermatitis	0	0.00	0	0.00	-----
Xanthelasma	0	0.00	1	7.69	0.3095
Seborrheic Keratoses	2	6.90	1	7.69	1.0000

C23635

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

	<u>Mild</u>	<u>Moderate</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Sodium (age adjusted)	138.48 $\pm$ 0.50(29) 138.48 $\pm$ 0.52	139.54 $\pm$ 0.80(13) 139.54 $\pm$ 0.77	0.2584 0.2633
Magnesium (age adjusted)	2.01 $\pm$ 0.04(29) 2.01 $\pm$ 0.04	1.99 $\pm$ 0.05(13) 1.99 $\pm$ 0.05	0.7692 0.7745
Potassium (age adjusted)	4.42 $\pm$ 0.09(29) 4.42 $\pm$ 0.08	4.45 $\pm$ 0.06(13) 4.45 $\pm$ 0.12	0.8793 0.8800
Chloride (age adjusted)	103.31 $\pm$ 0.67(29) 103.31 $\pm$ 0.66	104.46 $\pm$ 0.94(13) 104.46 $\pm$ 0.99	0.3358 0.3424
Calcium (age adjusted)	9.75 $\pm$ 0.08(29) 9.75 $\pm$ 0.08	9.71 $\pm$ 0.10(13) 9.71 $\pm$ 0.12	0.7753 0.7803
Phosphorous (age adjusted)	2.79 $\pm$ 0.06(29) 2.79 $\pm$ 0.06	2.87 $\pm$ 0.11(13) 2.87 $\pm$ 0.09	0.5099 0.5124
Iron (age adjusted)	104.93 $\pm$ 5.57(29) 104.98 $\pm$ 5.36	99.92 $\pm$ 8.27(13) 99.82 $\pm$ 8.00	0.6191 0.5955
BUN (age adjusted)	15.00 $\pm$ 0.84(29) 15.00 $\pm$ 0.76	15.31 $\pm$ 0.73(13) 15.31 $\pm$ 1.13	0.8209 0.8180
Creatinine (age adjusted)	1.28 $\pm$ 0.04(29) 1.28 $\pm$ 0.04	1.25 $\pm$ 0.07(13) 1.25 $\pm$ 0.06	0.6945 0.6972
BUN/Creatinine (age adjusted)	12.26 $\pm$ 0.88(29) 12.26 $\pm$ 0.79	12.58 $\pm$ 0.77(13) 12.58 $\pm$ 1.19	0.8225 0.8200
Uric Acid (age adjusted)	6.13 $\pm$ 0.28(29) 6.13 $\pm$ 0.26	6.55 $\pm$ 0.28(13) 6.55 $\pm$ 0.38	0.3758 0.3749
Glucose (age adjusted)	101.90 $\pm$ 6.19(29) 101.86 $\pm$ 5.10	92.85 $\pm$ 2.53(13) 92.94 $\pm$ 7.62	0.3445 0.3365

023686

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

	<u>Mild</u>	<u>Moderate</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
Total Protein (age adjusted)	7.76 $\pm$ 0.11(29) 7.76 $\pm$ 0.09	7.48 $\pm$ 0.08(13) 7.48 $\pm$ 0.14	0.0967 0.0999
Albumin (age adjusted)	4.43 $\pm$ 0.09(29) 4.43 $\pm$ 0.08	4.29 $\pm$ 0.08(13) 4.29 $\pm$ 0.12	0.3354 0.3403
Globulin (age adjusted)	3.33 $\pm$ 0.12(29) 3.33 $\pm$ 0.10	3.18 $\pm$ 0.08(13) 3.19 $\pm$ 0.16	0.4487 0.4540
Albumin/Globulin (age adjusted)	1.39 $\pm$ 0.07(29) 1.39 $\pm$ 0.06	1.36 $\pm$ 0.05(13) 1.36 $\pm$ 0.09	0.7562 0.7534
Total Bilirubin (age adjusted)	0.78 $\pm$ 0.08(29) 0.78 $\pm$ 0.07	0.58 $\pm$ 0.06(13) 0.58 $\pm$ 0.11	0.1493 0.1523
Direct Bilirubin (age adjusted)	0.22 $\pm$ 0.03(29) 0.22 $\pm$ 0.03	0.15 $\pm$ 0.01(13) 0.15 $\pm$ 0.04	0.1891 0.1929
SGOT (age adjusted)	34.83 $\pm$ 2.37(29) 34.82 $\pm$ 2.38	26.15 $\pm$ 3.46(13) 26.16 $\pm$ 3.56	0.0472 0.0500
SGPT (age adjusted)	43.17 $\pm$ 2.58(29) 43.16 $\pm$ 2.40	32.54 $\pm$ 3.07(13) 32.57 $\pm$ 3.58	0.0196 0.0186
GGTP (age adjusted)	18.64 $\pm$ 2.57(28) 18.61 $\pm$ 2.66	20.38 $\pm$ 4.39(13) 20.46 $\pm$ 3.91	0.7194 0.6972
Alkaline Phosphatase (age adjusted)	30.24 $\pm$ 1.98(29) 30.24 $\pm$ 1.78	30.38 $\pm$ 1.65(13) 30.39 $\pm$ 2.66	0.9641 0.9619
LDH (age adjusted)	179.48 $\pm$ 4.31(29) 179.50 $\pm$ 5.76	186.85 $\pm$ 12.15(13) 186.80 $\pm$ 8.60	0.4790 0.4848

026637

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

	<u>Mild</u>	<u>Moderate</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$	$\bar{X} \pm \text{s.e.}(n)$	
WBC	7.43 $\pm$ 0.31(27)	6.98 $\pm$ 0.60(13)	0.4569
(age adjusted)	7.44 $\pm$ 0.33	6.96 $\pm$ 0.48	0.4244
RBC	5.14 $\pm$ 0.06(27)	5.05 $\pm$ 0.06(13)	0.4048
(age adjusted)	5.14 $\pm$ 0.06	5.05 $\pm$ 0.08	0.3888
HGB	15.64 $\pm$ 0.25(27)	15.72 $\pm$ 0.23(13)	0.8385
(age adjusted)	15.64 $\pm$ 0.22	15.72 $\pm$ 0.32	0.8566
HCT	47.47 $\pm$ 0.68(27)	47.62 $\pm$ 0.66(13)	0.8942
(age adjusted)	47.48 $\pm$ 0.60	47.59 $\pm$ 0.87	0.9158
MCV	92.44 $\pm$ 1.05(27)	94.27 $\pm$ 1.01(13)	0.2823
(age adjusted)	92.45 $\pm$ 0.96	94.25 $\pm$ 1.38	0.2910
MCH	30.47 $\pm$ 0.43(27)	31.12 $\pm$ 0.35(13)	0.3272
(age adjusted)	30.47 $\pm$ 0.38	31.12 $\pm$ 0.55	0.3367
MCHC	32.93 $\pm$ 0.15(27)	33.03 $\pm$ 0.21(13)	0.6970
(age adjusted)	32.93 $\pm$ 0.15	33.03 $\pm$ 0.21	0.6988

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

	<u>Mild</u>		<u>Moderate</u>		<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$		$\bar{X} \pm \text{s.e.}(n)$		
Poly (%)	59.45 +	1.57(27)	60.22 +	1.78(13)	0.7675
(age adjusted)	59.45 ±	1.48	60.20 ±	2.14	0.7760
Lymphocytes (%)	30.60 +	1.42(27)	29.12 +	1.77(13)	0.5412
(age adjusted)	30.59 ±	1.37	29.14 ±	1.98	0.5519
Monocytes (%)	6.85 +	0.42(27)	7.99 +	0.75(13)	0.1600
(age adjusted)	6.85 ±	0.45	7.98 ±	0.66	0.1651
Eosinophils (%)	2.25 +	0.26(27)	2.12 +	0.25(13)	0.7413
(age adjusted)	2.25 ±	0.23	2.12 ±	0.33	0.7566
Basophils (%)	0.86 +	0.12(27)	0.55 +	0.09(13)	0.0997
(age adjusted)	0.86 ±	0.10	0.55 ±	0.15	0.1029
Poly (Abs)	4461.56 +	252.94(27)	4288.00 +	485.21(13)	0.7277
(age adjusted)	4466.21 ±	275.49	4278.32 ±	397.05	0.6997
Lymph (Abs)	2239.11 +	122.46(27)	1960.23 +	136.02(13)	0.1725
(age adjusted)	2239.96 ±	115.05	1958.47 ±	165.81	0.1714
Mono (Abs)	498.07 +	28.90(27)	553.69 +	68.17(13)	0.3807
(age adjusted)	498.80 ±	34.22	552.18 ±	49.32	0.3796
Eos (Abs)	167.00 +	19.84(27)	135.69 +	11.04(13)	0.2994
(age adjusted)	166.90 ±	17.11	135.91 ±	24.66	0.3086
Baso (Abs)	62.07 +	7.73(27)	37.38 +	6.27(13)	0.0467
(age adjusted)	62.13 ±	6.87	37.26 ±	9.90	0.0461

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

	<u>Mild</u>	<u>Moderate</u>	<u>p-value</u>
	$\bar{X} \pm \text{s.e. (n)}$	$\bar{X} \pm \text{s.e. (n)}$	
Total Lipids (gm/dl) (age adjusted)	0.69 $\pm$ 0.03(28) 0.69 $\pm$ 0.03	0.62 $\pm$ 0.03(13) 0.62 $\pm$ 0.04	0.1749 0.1600
Cholesterol (mg/dl) (age adjusted)	239.79 $\pm$ 12.28(29) 239.70 $\pm$ 11.16	239.62 $\pm$ 14.61(13) 239.82 $\pm$ 16.67	0.9932 0.9950
Triglyceride (mg/dl) (age adjusted)	215.10 $\pm$ 20.93(29) 215.05 $\pm$ 19.19	164.85 $\pm$ 20.44(13) 164.96 $\pm$ 28.66	0.1500 0.1544
Total Cholesterol (mg/dl) (age adjusted)	232.36 $\pm$ 10.95(28) 232.52 $\pm$ 9.76	236.46 $\pm$ 11.76(13) 236.12 $\pm$ 14.32	0.8209 0.8366
C-HDL (mg/dl) (age adjusted)	38.29 $\pm$ 2.73(28) 38.26 $\pm$ 3.15	47.85 $\pm$ 5.74(13) 47.89 $\pm$ 4.63	0.0944 0.0937
C-LDL (mg/dl) (age adjusted)	159.07 $\pm$ 10.30(28) 159.24 $\pm$ 9.32	158.77 $\pm$ 12.50(13) 158.41 $\pm$ 13.68	0.9862 0.9601
C-VLDL (mg/dl) (age adjusted)	34.79 $\pm$ 2.92(28) 34.81 $\pm$ 2.98	34.23 $\pm$ 4.55(13) 34.18 $\pm$ 4.38	0.9169 0.9069

028690

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

	<u>Mild</u>				<u>Moderate</u>				<u>p-value</u>
	$\bar{X} \pm \text{s.e.}(n)$				$\bar{X} \pm \text{s.e.}(n)$				
pH (age adjusted)	5.29	+	0.10	(28)	5.23	+	0.12	(13)	0.7485
	5.28	$\pm$	0.10		5.23	$\pm$	0.14		0.7593
Specific Gravity (age adjusted)	1.0226	+	0.0012	(28)	1.0206	+	0.0018	(13)	0.3498
	1.0226	$\pm$	0.0012		1.0206	$\pm$	0.0017		0.3464

C26691

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

<u>Blood</u> <u>Reference Range Units</u>	<u>Mild</u>		<u>Moderate</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Sodium(mmol/L)</u>					
134.00 - 146.00	29	100.00	13	100.00	-----
<u>Magnesium(meg/L)</u>					
< 1.60	1	3.45	0	0.00	0.7253
1.60 - 2.20	25	86.21	11	84.62	
> 2.20	3	10.34	2	15.38	
<u>Potassium(mmol/L)</u>					
3.50 - 5.50	29	100.00	13	100.00	-----
> 5.50	0	0.00	0	0.00	
<u>Chloride(mmol/L)</u>					
< 96.00	0	0.00	0	0.00	-----
96.00 - 110.00	29	100.00	13	100.00	
> 110.00	0	0.00	0	0.00	
<u>Calcium(mg/dL)</u>					
< 8.80	1	3.45	0	0.00	1.0000
8.80 - 10.80	28	96.55	13	100.00	
<u>Phosphorus(mg/dL)</u>					
2.00 - 4.70	29	100.00	13	100.00	-----
<u>Iron(ug/dL)</u>					
< 45.00	0	0.00	0	0.00	-----
45.00 - 200.00	29	100.00	13	100.00	
> 200.00	0	0.00	0	0.00	

C26692

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

<u>Blood</u> <u>Reference Range Units</u>	<u>Mild</u>		<u>Moderate</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>BUN(mg/dL)</u>					
< 6.00	1	3.45	0	0.00	0.6246
6.00 - 25.00	27	93.10	13	100.00	
> 25.00	1	3.45	0	0.00	
<u>Creatinine(mg/dL)</u>					
0.50 - 1.70	29	100.00	13	100.00	-----
<u>BUN/Creatinine Ratio</u>					
3.57 - 25.45	29	100.00	13	100.00	-----
<u>Uric Acid(mg/dL)</u>					
2.50 - 8.50	26	89.66	12	92.31	1.0000
> 8.50	3	10.34	1	7.69	

C26693

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

Blood	Mild		Moderate		p-value
<u>Reference Range Units</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Glucose(mg/dL)</u>					
65.00 - 130.00	28	96.55	13	100.00	1.0000
> 130.00	1	3.45	0	0.00	
<u>Total Protein(gm/gL)</u>					
6.60 - 8.90	29	100.00	13	100.00	-----
<u>Albumin(gm/dL)</u>					
< 3.60	1	3.45	0	0.00	0.6246
3.60 - 5.20	27	93.10	13	100.00	
> 5.20	1	3.45	0	0.00	
<u>Globulin(gm/dL)</u>					
1.90 - 3.70	23	79.31	12	92.31	0.4049
> 3.70	6	20.69	1	7.69	
<u>Albumin/Globulin Ratio</u>					
0.46 - 2.63	29	100.00	13	100.00	-----
<u>Total Bilirubin(mg/dL)</u>					
0.10 - 1.70	27	93.10	13	100.00	1.0000
> 1.70	2	6.90	0	0.00	
<u>Direct Bilirubin(mg/dL)</u>					
0.00 - 0.30	27	93.10	13	100.00	1.0000
> 0.30	2	6.90	0	0.00	
<u>Transaminase, SGO(IU/L)</u>					
1.00 - 50.00	27	93.10	12	92.13	1.0000
> 50.00	2	6.90	1	7.69	

C23694

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

Blood	Mild		Moderate		p-value
<u>Reference Range Units</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Transaminase, SGP(IU/L)</u>					
1.00 - 70.00	27	93.10	13	100.00	1.0000
> 70.00	2	6.90	0	0.00	
<u>G-glutamyl Transpeptidase(U/L)</u>					
1.00 - 70.00	28	100.00	13	100.00	-----+
> 70.00	0	0.00	0	0.00	
<u>Alkaline Phosphatase(IU/L)</u>					
10.00 - 50.00	27	93.10	13	100.00	1.0000
> 50.00	2	6.90	0	0.00	
<u>LDH(IU/L)</u>					
90.00 - 250.00	29	100.00	12	92.31	0.3095
> 250.00	0	0.00	1	7.69	

C26695

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

<u>Blood</u> <u>Reference Range Units</u>	<u>Mild</u>		<u>Moderate</u>		<u>p-value</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>CBC</u>					
<u>WBC(thousand/cu.mm.)</u>					
4.00 - 11.60	27	100.00	12	92.31	0.3250
> 11.60	0	0.00	1	7.69	
<u>Differential</u>					
<u>Polys(percent)</u>					
< 42.0	0	0.00	0	0.00	-----
42.0 - 81.0	27	100.00	13	100.00	
> 81.0	0	0.00	0	0.00	
<u>Lymphocytes(percent)</u>					
10.0 - 47.0	27	100.00	13	100.00	-----
> 47.0	0	0.00	0	0.00	
<u>Monocytes(percent)</u>					
0.0 - 10.0	25	92.59	10	76.92	0.3065
> 10.0	2	7.41	3	23.08	
<u>Eosinophils(percent)</u>					
0.0 - 8.0	27	100.00	13	100.00	-----
<u>Basophils(percent)</u>					
0.0 - 2.0	26	96.30	13	100.00	1.0000
> 2.0	1	3.70	0	0.00	

C26696

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

<u>Blood</u>		<u>Mild</u>		<u>Moderate</u>		<u>p-value</u>
<u>Reference Range</u>	<u>Units</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>CBC</u>						
<u>Differential</u>						
<u>Absolute Values (cells/cu.mm.)</u>						
<u>Neutrophils</u>						
1650 - 8330		27	100.00	12	92.31	0.3250
> 8330		0	0.00	1	7.69	
<u>Lymphocytes</u>						
< 1049		0	0.00	0	0.00	1.0000
1049 - 3581		26	96.30	13	100.00	
> 3581		1	3.70	0	0.00	
<u>Monocytes</u>						
61 - 929		27	100.00	12	92.31	0.3250
> 929		0	0.00	1	7.69	
<u>Eosinophils</u>						
< 40		1	3.70	0	0.00	1.0000
40 - 423		26	96.30	13	100.00	
<u>Basophils</u>						
< 10		0	0.00	0	0.00	1.0000
10 - 148		26	96.30	13	100.00	
> 148		1	3.70	0	0.00	

025697

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

Blood Reference Range Units	Mild		Moderate		p-value
	#	%	#	%	
<u>Total Lipids(gm/dL)</u>					
0.30 - 1.00	27	96.43	13	100.00	0.6829
> 1.00	1	3.57	0	0.00	
<u>Cholesterol(mg/dL)</u>					
< 125	1	3.45	0	0.00	0.7352
125 - 300	23	79.31	10	76.92	
> 300	5	17.24	3	23.08	
<u>Triglyceride(mg/dL)</u>					
50 - 200	16	55.17	9	69.23	0.5046
> 200	13	44.83	4	30.77	
<u>Total Cholesterol(mg/dL)</u>					
< 125	1	3.57	0	0.00	0.5238
125 - 300	22	78.57	12	92.31	
> 300	5	17.86	1	7.69	
<u>C-HDL (mg/dL)</u>					
< 30	8	28.57	1	7.69	0.1274
30 - 75	20	71.43	11	84.62	
> 75	0	0.00	1	7.69	
<u>C-LDL (mg/dL)</u>					
< 60	1	3.57	0	0.00	0.7481
60 - 185	20	71.43	9	69.23	
> 185	7	25.00	4	30.77	
<u>C-VLDL (mg/dL)</u>					
0.0 - 40.0	18	64.29	8	61.54	1.0000
> 40	10	35.71	5	38.46	

023698

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

Urine					
Reference Range Units	Mild		Moderate		p-value
	#	%	#	%	
Appearance					
Clear	28	100.00	13	100.00	-----
Specific Gravity					
1.008 - 1.036	28	100.00	13	100.00	-----
Acetone					
Negative	28	100.00	13	100.00	-----
1+	0	0.00	0	0.00	
Albumin					
Negative	28	100.00	13	100.00	-----
Glucose					
Negative	27	96.43	13	100.00	1.0000
2+	1	3.57	0	0.00	
Blood					
Negative	28	100.00	13	100.00	-----
WBC					
Negative	22	78.57	10	76.92	0.75≤p<0.90
0-2	2	7.14	1	7.69	
2-5	3	10.71	2	15.38	
5-10	1	3.57	0	0.00	
RBC					
Negative	28	100.00	13	100.00	-----
0 - 2	0	0.00	0	0.00	
Casts					
Negative	28	100.00	13	100.00	-----
Bacteria					
None	27	96.43	11	84.62	0.0860
Slight	0	0.00	2	15.38	
Moderate	1	3.57	0	0.00	

023699

Table ____

Severity of Chloracne versus Clinical Laboratory Findings

Urine	Mild		Moderate		p-value
<u>Reference Range Units</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	
<u>Crystals</u>					
None	26	92.86	13	100.00	1.0000
Uric Acid	0	0.00	0	0.00	
Calcium Oxalate	2	7.14	0	0.00	
<u>Yeast</u>					
Negative	28	100.00	13	100.00	-----
<u>PH</u>					
5	21	75.00	10	76.92	0.7868
6	6	21.43	3	23.08	
7	1	3.57	0	0.00	

023700