

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc

550 Main Street
Stratford, CT 06497
203/385-2000

**SOUTH LOT SOIL
STATISTICAL SAMPLE PLAN
AND ANALYSIS**

200.1e
SAEP_01.20_0509_a

JULY 1992

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

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SOUTH LOT SOIL SAMPLE PROJECT

P.O. H346837

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550 Main Street
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203/385-2000

June 16, 1992

Mr. D. McKeegan, Senior Environmental Analyst
Solid Waste Division
Connecticut Department of Environmental Protection
18 Trinity Street
Hartford, Connecticut 06106

RE: A Plan to use soil at Textron Lycoming / Stratford Army Engine
Plant

Dear Sirs:

In 1989 and 1990, Textron Lycoming excavated approximately 12,000 cubic yards of soil from construction sites at Buildings 34 and 65 at the facility. In response to a concern regarding the condition of the soil, the soil was statistically sampled and analyzed for the presence of hazardous materials. All TCLP analysis results for metals and volatile organic compounds indicate that the soil is below the EPA classification for hazardous waste. However, a Total Petroleum Hydrocarbon average level 464 ppm was found in the soil. Approval is being sought on the acceptability of using some, or all, of this soil on the facility to fill in a parking area.

Attached are the results of the statistical analysis of the laboratory test results for the sampled soil. The individual laboratory results are available if necessary for review. The sample locations and analysis requirements were randomly generated to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Volume II, Chapter Nine methods publication. This soil was in nine (9) different piles, each pile being analyzed on the attached respective lab report. The soil in each pile had been spread out over a bermed surface to a depth of about two feet for sampling. Samples collected were analyzed for one or more of the following:

TCLP Extraction: US EPA TCLP 742
US EPA TCLP 7190

Total Gross Metals: SW-846 7420
SW-846 7190

Total Petroleum Hydrocarbons: US EPA 418.1
SW-846 9071

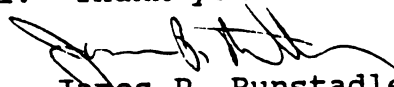
Volatile Organic Compounds: US EPA 8010
US EPA 8020

All of the analyses were preformed by Clearwater Analytical Laboratory, Inc.

Textron Lycoming plans to use this soil to correct depressions in a parking lot on the southern portion of the facility. An overhead view of the proposed parking area changes is attached. The parking area currently has several large saddle depressions. During periods of heavy rain this parking area can become flooded and thus prevent its use for a period of several days. Our plan is to use the excavated soil to fill these depressions. This soil would be compacted and an asphalt topping used to provide a finished parking surface level with the surrounding parking area.

From another construction project on building 16, a small quantity of construction debris is being accumulated. A sample of the soil and concrete in the debris was taken and an analysis performed by Milford Materials Lab, Inc. to examine for suspected hazardous materials. The analysis results are attached. Based on this analysis, both the concrete and soil from this project were found to be non-hazardous. Textron is planning to break up the concrete and utilize the debris in conjunction with the soil in the construction of the parking area.

Based upon the attached analysis summary of the excavated materials, Textron Lycoming requests approval to use these materials in the planned work on the Textron operated facility. I will be calling shortly to arrange a meeting where this matter can be discussed further. Meanwhile, if you have any questions, please do not hesitate to call me at 385-3741. Thank you.


James P. Runstadler
Environmental Services
Textron Lycoming/SAEP

JR/fc
attachment

- cc: D. Feathers, DEP
- G. Dews, DEP
- R. Matteuzzi, AVSCOM
- A. McDermott, AMC
- J. Kuehnle, AVSCOM
- Lt. Col. Kafkalis, DPRO

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June 16, 1992

Mr. K. Feathers, Supervisor Sanitation Engineering
Site Remediation Division
Connecticut Department of Environmental Protection
165 Capital Avenue
Hartford, Connecticut 06106

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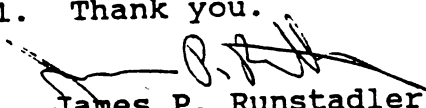
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Hazardous Waste Division
Connecticut Department of Environmental Protection
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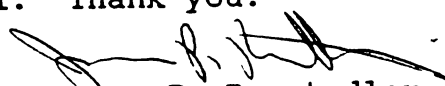
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SOIL ANALYSIS RESULTS BUILDING 34 AND 65



Clearwater Analytical Laboratories, Inc.
 6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

PILE A - 1

TEST RESULT SUMMARY AND
 STATISTICAL ANALYSIS OF TEST RESULTS
 FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP</u> <u>ARSENIC</u>	<u>TCLP</u> <u>BARIUM</u>	<u>TCLP</u> <u>CADMIUM</u>	<u>TCLP</u> <u>CHROMIUM</u>	<u>TCLP</u> <u>LEAD</u>
MEANS:	< 0.01	0.444	0.015	0.067	0.11
STANDARD DEVIATION:	- - -	0.037	0.021	0.045	0.03
VARIANCE:	- - -	0.001	0.0004	0.002	0.0009
95 % CONFIDENCE INTERVAL	- - -	0.444 +/- 0.026	0.015 +/- 0.015	0.067 +/- 0.032	0.11 +/- 0.02
NUMBER OF SAMPLES COLLECTED	11	11	11	11	11
NUMBER OF SAMPLES ANALYSED	11	11	11	11	11
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL		10	10	8	10
RANGE	- - -	0.13	0.07	0.14	0.07
STUDENT'S t VALUE (95%)	- - -	2.262	2.259	2.248	2.108
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



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FILE A - 1

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

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PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	0.004	0.008	0.01	613
STANDARD DEVIATION	0.0126	0.010	0.015	346
VARIANCE	0.00016	0.0001	0.0002	119,716
95 % CONFIDENCE INTERVAL	0.004 +/- 0.009	0.008 +/- 0.007	0.01 +/- 0.01	613 +/- 247
NUMBER OF SAMPLES COLLECTED	11	11	11	11
NUMBER OF SAMPLES ANALYSED	11	11	11	11
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	2	2	6	5
RANGE	0.004	0.02	0.04	936
STUDENT'S t VALUE (95%)	1.255	2.184	3.162	2.257
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



Clearwater Analytical Laboratories, Inc.
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PILE A - 1

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====
PO #H346837
=====

RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS



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CT Registration No PH-0432

PILE A - 2

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

	<u>TCLP ARSENIC</u>	<u>TCLP BARIUM</u>	<u>TCLP CADMIUM</u>	<u>TCLP CHROMIUM</u>	<u>TCLP LEAD</u>
MEANS:	< 0.01	0.87	0.004	0.21	0.07
STANDARD DEVIATION:	- - -	0.08	0.005	0.11	0.04
VARIANCE:	- - -	0.01	<0.0005	0.01	<0.01
95 % CONFIDENCE INTERVAL	- - -	0.87 +/- 0.06	0.004 +/- 0.004	0.21 +/- 0.08	0.07 +/- 0.03
NUMBER OF SAMPLES COLLECTED	9	9	9	9	9
NUMBER OF SAMPLES ANALYZED	9	9	9	9	9
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	9	9	9	9
RANGE	0.010	0.20	0.01	0.380	0.15
STUDENT'S t VALUE (95%)	- - -	2.250	2.40	2.182	3.20
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



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PILE A - 2

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

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ALL UNITS ARE MILLIGRAM PER LITER

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	TCLP MERCURY	TCLP SELENIUM	TCLP SILVER	TOTAL PETROLEUM HYDROCARBONS
MEANS	<0.00	<0.01	0.01	673
STANDARD DEVIATION	- - -	- - -	0.01	566
VARIANCE	- - -	- - -	<0.01	320,778
95 % CONFIDENCE INTERVAL	- - -	- - -	0.01 +/- 0.008	673 +/- 435
NUMBER OF SAMPLES COLLECTED	9	9	9	9
NUMBER OF SAMPLES ANALYSED	9	9	9	9
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	- - -	9	8
RANGE	- - -	- - -	0.04	1,766
STUDENT'S t VALUE (95%)	- - -	- - -	2.40	3.182
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



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CT Registration No PH-0432

FILE A - 2

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====
PO #H346837
=====

RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS



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FILE A - 3

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

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PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP CHROMIUM</u>	<u>TCLP LEAD</u>
MEANS:	0.056	0.147
STANDARD DEVIATION:	0.011	0.093
VARIANCE	0.0001	0.009
95 % CONFIDENCE INTERVAL	0.056 +/- 0.01	0.147 +/- 0.086
NUMBER OF SAMPLES COLLECTED	7	7
NUMBER OF SAMPLES ANALYSED	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7	7
RANGE	0.03	0.23
STUDENT'S t VALUE (95%)	2.405	2.447
TCLP FEDERAL LIMIT	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC



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FILE A - 3

TEST RESULT SUMMARY AND
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ALL UNITS ARE MILLIGRAM PER LITER

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TOTAL PETROLEUM
HYDROCARBONS

MEANS	420
STANDARD DEVIATION	91
VARIANCE	8,241
95 % CONFIDENCE INTERVAL	420 +/- 145
NUMBER OF SAMPLES COLLECTED	7
NUMBER OF SAMPLES ANALYSED	5
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	4
RANGE	368
STUDENT'S t VALUE (95%)	3.182
TCLP FEDERAL LIMIT	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON HAZARDOUS



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PILE A - 3

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PILE B - 2

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

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	<u>TCLP ARSENIC</u>	<u>TCLP BARIUM</u>	<u>TCLP CADMIUM</u>	<u>TCLP CHROMIUM</u>	<u>TCLP LEAD</u>
MEANS:	< 0.01	0.73	0.004	0.16	0.27
STANDARD DEVIATION:	- - -	0.28	0.005	0.08	0.33
VARIANCE:	- - -	0.08	<0.0005	0.01	0.11
95 % CONFIDENCE INTERVAL	- - -	0.73 +/- 0.26	0.004 +/- 0.005	0.16 +/- 0.07	0.27 +/- 0.31
NUMBER OF SAMPLES COLLECTED	12	12	12	12	12
NUMBER OF SAMPLES ANALYZED	7	7	7	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	7	7	7	7
RANGE	- - -	0.89	0.03	0.260	1.02
STUDENT'S t VALUE (95%)	- - -	2.457	2.646	2.315	2.486
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



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PILE B - 2

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	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	<0.01	<0.00	0.02	670
STANDARD DEVIATION	- - -	- - -	0.01	294
VARIANCE	- - -	- - -	<0.01	86,631
95 % CONFIDENCE INTERVAL	- - -	- - -	0.02 +/- 0.009	671 +/- 272
NUMBER OF SAMPLES COLLECTED	12	12	12	12
NUMBER OF SAMPLES ANALYSED	7	7	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	- - -	7	7
RANGE	- - -	- - -	0.03	715.00
STUDENT'S t VALUE (95%)	- - -	- - -	2.381	2.448
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



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FILE C - 1

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MEANS:	< 0.01	0.08	0.01	0.07	0.07
STANDARD DEVIATION:	- - -	0.02	<0.001	0.01	0.03
VARIANCE:	- - -	<0.001	<0.001	<0.001	<0.001
95 % CONFIDENCE INTERVAL	- - -	0.08 +/- 0.02	0.01 +/- 0.0001	0.07 +/- 0.0001	0.07 +/- 0.03
NUMBER OF SAMPLES COLLECTED	13	13	13	13	13
NUMBER OF SAMPLES ANALYZED	7	7	7	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7	7	7	7	7
RANGE	0.00	0.07	0.01	0.02	0.09
STUDENT'S t VALUE (95%)	2.447	2.447	2.447	2.447	2.447
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC

FILE C - 1

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====
PO #H346837
ALL UNITS ARE MILLIGRAM PER LITER
=====

Table with 5 columns: Parameter, TCLP MERCURY, TCLP SELENIUM, TCLP SILVER, TOTAL PETROLEUM HYDROCARBONS. Rows include MEANS, STANDARD DEVIATION, VARIANCE, 95% CONFIDENCE INTERVAL, NUMBER OF SAMPLES COLLECTED, NUMBER OF SAMPLES ANALYSED, NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL, RANGE, STUDENT'S t VALUE (95%), TCLP FEDERAL LIMIT, and TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS.



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* FILE C-1 *

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING
=====

PO #H346837

CHLOROFORM

MEANS	0.44 ug/L
STANDARD DEVIATION	1.08
VARIANCE	1.18
95 % CONFIDENCE INTERVAL	0.44 ug/L +/- 0.91
NUMBER OF SAMPLES COLLECTED	12
NUMBER OF SAMPLES ANALYSED	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7
RANGE	3.10 ug/L
STUDENT'S t VALUE (95%)	2.447
TCLP FEDERAL LIMIT	6000
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON-TOXIC

*These results are based upon TCLP ZERO HEADSPACE - VOC analysis.

	TPH	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
21689	293.00	0.000	0.68	0.03	0.11	0.08	0.00	0.00	0.12
21691	318.00	0.000	0.96	0.02	0.10	0.07	0.00	0.00	0.08
21692	325.00	0.000	0.73	0.02	0.11	0.06	0.00	0.00	0.08
21695	382.00	0.000	0.78	0.02	0.10	0.07	0.00	0.00	0.08
21697	268.00	0.000	0.69	0.01	0.08	0.10	0.00	0.00	0.02
21699	328.00	0.000	0.89	0.01	0.07	0.27	0.00	0.00	0.08
21700	263.00	0.000	0.91	0.02	0.11	0.07	0.00	0.00	0.07
MEAN	311.00	0.00	0.81	0.02	0.10	0.10	0.00	0.00	0.08
STD DEV	37.89	0.00	0.11	0.01	0.01	0.07	0.00	0.00	0.03
VARIANCE	1,436.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
95% CONFIDENCE INTERVAL +/-	311.00 35.04	0.00 0.00	0.81 0.10	0.02 0.01	0.10 0.01	0.10 0.06	0.00 0.00	0.00 0.00	0.08 0.03
NUMBER OF SAMPLES COLLECTED	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
NUMBER OF SAMPLES ANALYSED	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
RANGE	119.00	0.00	0.28	0.02	0.04	0.21	0.00	0.00	0.10
STUDENT'S t VALUE	2.447	2.447	2.447	2.447	2.447	2.447	2.447	2.447	2.447
TOXICITY CHARACTERISTIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC



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FILE C - 2

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

P O # H 346837

=====

RE: VOLATIVE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE
BELOW DETECTION LIMITS



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 * FILE D *

TEST RESULT SUMMARY AND
 STATISTICAL ANALYSIS OF TEST RESULTS
 FOR TEXTRON LYCOMING (SOUTH LOT SOIL)
 =====
 - PO #H346837

	TOTAL GROSS LEAD	TOTAL GROSS CHROMIUM	TOTAL PETROLEUM HYDROCARBON
MEANS:	23.31 ug/g	22.15 ug/g	313 ug/g
STANDARD DEVIATION:	2.91	2.71	147
VARIANCE:	8.48	7.34	21,609
95 % CONFIDENCE INTERVAL	23.31 ug/g +/-1.96	22.15 ug/g +/-1.82	313 ug/g +/-98.7
NUMBER OF SAMPLES COLLECTED	14	14	12
NUMBER OF SAMPLES ANALYSED	11	11	12
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	10	11	11
RANGE	8.94 ug/g	9.74 ug/g	385 ug/g
STUDENT'S t VALUE (95%)	+/- 2.234	+/- 2.227	+/-2.2374
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	-----	-----	NON-HAZARDOUS



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CT Registration No PH-0432

* PILE D *

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING (SOUTH LOT SOIL)

=====
PO #H346837

	TCLP LEAD	TCLP CHROMIUM
MEANS	0.23 ug/g	0.027 ug/g
STANDARD DEVIATION	-----	-----
VARIANCE	-----	-----
95 % CONFIDENCE INTERVAL	-----	-----
NUMBER OF SAMPLES COLLECTED	1	1
NUMBER OF SAMPLES ANALYSED	1	1
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	-----	-----
RANGE	-----	-----
STUDENT'S t VALUE (95%)	-----	-----
TCLP FEDERAL LIMIT TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	5 NON-HAZARDOUS	5 NON-HAZARDOUS



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CT Registration No PH-0432

* FILE D *

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING (SOUTH LOT SOIL)
=====

PO #H346837

VOC (R.T.=700)
1,1-DICHLOROETHENE

MEANS	947 ug/Kg
STANDARD DEVIATION	332.
VARIANCE	110224
95 % CONFIDENCE INTERVAL	947 ug/Kg +/- 825
NUMBER OF SAMPLES COLLECTED	3
NUMBER OF SAMPLES ANALYSED	3
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	8
RANGE	653 ug/Kg
STUDENT'S t VALUE (95%)	+/- 4.303
TCLP FEDERAL LIMIT	700
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	POSSIBLE TOXICITY*

*These results are based upon GROSS VOC analysis and NOT TCLP. Subsequent analyses for all other piles will be performed by TCLP zero Headspace Extraction (ZHE) procedures.



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CT Registration No PH-0432

PILE E - 1

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	TCLP ARSENIC	TCLP BARIUM	TCLP CADMIUM	TCLP CHROMIUM	TCLP LEAD
MEANS:	< 0.01	0.80	0.03	0.19	0.07
STANDARD DEVIATION:	- - -	0.08	<0.01	0.04	0.01
VARIANCE:	- - -	0.01	<0.01	<0.01	<0.01
95 % CONFIDENCE INTERVAL	- - -	0.80 +/- 0.13	0.03 +/- 0.003	0.19 +/- 0.06	0.07 +/- 0.016
NUMBER OF SAMPLES COLLECTED	7	7	7	7	7
NUMBER OF SAMPLES ANALYSED	4	4	4	4	4
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	4	4	4	4	4
RANGE	- - -	0.20	0.01	0.09	0.03
STUDENT'S t VALUE (95%)	- - -	3.250	0.46	3.00	3.20
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



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CT Registration No. PH-0432

FILE E - 1

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	<0.01	<0.01	0.03	416
STANDARD DEVIATION	- - -	- - -	0.01	373
VARIANCE	- - -	- - -	<0.01	139,655
95 % CONFIDENCE INTERVAL	- - -	- - -	0.03 +/- 0.02	417 +/- 595
NUMBER OF SAMPLES COLLECTED	7	7	7	7
NUMBER OF SAMPLES ANALYSED	4	4	4	4
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	4	4	4	4
RANGE	- - -	- - -	0.03	963
STUDENT'S t VALUE (95%)	- - -	- - -	4.00	3.182
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



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CT Registration No PH-0432

PILE E - 1

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

=====
PO #H346837
=====

RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS



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CT Registration No PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES, PILE E-2

	TPH	As	Ba	Cd	Cr
21454-#37	1,140.00	0.000	0.77	0.00	0.08
21455-#61	2,960.00	0.000	0.90	0.00	0.09
21456-#85	198.00	0.000	0.94	0.00	0.06
21457-#126	160.00	0.000	0.91	0.00	0.07
21451-#164	265.00	0.000	0.64	0.00	0.11
21450-#205	74.50	0.000	0.47	0.00	0.07
21461-#252	475.00	0.000	0.69	0.00	0.08
21462-#264	258.00	0.000	0.69	0.00	0.13
21463-#308	78.00	0.000	0.15	0.00	0.09
21464-#322	137.00	0.000	0.83	0.00	0.09
21465-#349	28.00	0.000	0.51	0.00	0.09
MEAN	524.86	0.00	0.68	0.00	0.09
STD DEV	825.13	0.00	0.22	0.00	0.02
VARIANCE	680,845.91	0.00	0.05	0.00	0.00
95% CONFIDENCE INTERVAL +/-	524.86 554.30	0.00 0.00	0.68 0.15	0.00 0.00	0.09 0.01
NUMBER OF SAMPLES COLLECTED	16.00	16.00	16.00	16.00	16.00
NUMBER OF SAMPLES ANALYSED	11.00	11.00	11.00	11.00	11.00
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	11.00	11.00	11.00	11.00	11.00
RANGE	2,932.00	0.00	0.47	0.00	0.05
STUDENT'S t VALUE	2.228	2.228	2.228	2.228	2.228
TOXICITY CHARACTERISTIC	NON- TOXIC	NON- TOXIC	NON- TOXIC	NON- TOXIC	NON- TOXIC



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CT Registration No PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES, PILE E-2

	Pb	Hg	Se	Ag
21454-#37	0.03	0.00	0.00	0.00
21455-#61	0.08	0.00	0.00	0.00
21456-#85	0.01	0.00	0.00	0.00
21457-#126	0.03	0.00	0.00	0.00
21451-#164	0.04	0.00	0.00	0.00
21450-#205	0.05	0.00	0.00	0.00
21461-#252	0.00	0.00	0.00	0.00
21462-#264	0.02	0.00	0.00	0.00
21463-#308	0.09	0.00	0.00	0.00
21464-#322	0.13	0.00	0.00	0.00
21465-#349	0.09	0.00	0.00	0.00
MEAN	0.05	0.00	0.00	0.00
STD DEV	0.04	0.00	0.00	0.00
VARIANCE	0.00	0.00	0.00	0.00
95% CONFIDENCE INTERVAL +/-	0.05 0.03	0.00 0.00	0.00 0.00	0.00 0.00
NUMBER OF SAMPLES COLLECTED	16.00	16.00	16.00	16.00
NUMBER OF SAMPLES ANALYSED	11.00	11.00	11.00	11.00
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	11.00	11.00	11.00	11.00
RANGE	0.08	0.00	0.00	0.00
STUDENT'S t VALUE	2.228	2.228	2.228	2.228
TOXICITY CHARACTERISTIC	NON- TOXIC	NON- TOXIC	NON- TOXIC	NON- TOXIC



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CT Registration No. PH-0432

* FILE E-2 *

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

=====

PO #H346837

1.1 DICHLOROETHENE

MEANS	4.66 ug/L
STANDARD DEVIATION	3.87
VARIANCE	14.99
95 % CONFIDENCE INTERVAL	4.66 ug/L +/- 3.26
NUMBER OF SAMPLES COLLECTED	16
NUMBER OF SAMPLES ANALYSED	11
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	11
RANGE	12.15 ug/L
STUDENT'S t VALUE (95%)	2.228
TCLP FEDERAL LIMIT	700 ug/L
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON-TOXIC

*These results are based upon TCLP ZERO HEADSPACE - VOC analysis.

CONCRETE AND SOIL ANALYSIS RESULTS BUILDING 16

MILFORD MATERIALS TESTING LABORATORY, INC.

655 Plains Rd • Milford, Connecticut 06460

(203) 877-3163

To: Textron-Lycoming Div.
550 South Main St.
Stratford, Ct. 06497

April 13, 1992
Test M53339

Mail to P O. Box 493
Milford, Conn. 06460

Att: Michael Nosenzo

From: Burt M. St. Clair

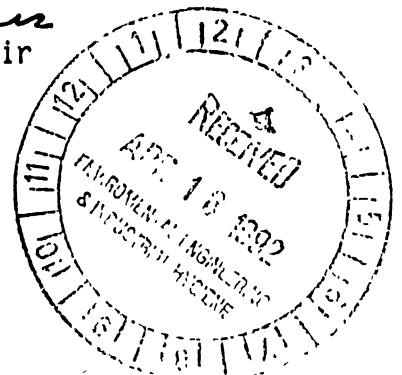
Re; Exam of 4 concrete core samples

Rec'd 4/2/92 PO H353924

Test end in ground + above ground on each core.

Test -----	Result -----							
	920331-1		-2		-3		-4	
	P7B		P8A		P7A		P8B	
	<u>In</u>	<u>Above</u>	<u>In</u>	<u>Above</u>	<u>In</u>	<u>Above</u>	<u>In</u>	<u>Above</u>
1,1,1 Trichloroethane	3.9	NDL 1	NDL 1	2.6	NDL1	NDL 1	NDL 1	NDL 1 ppb
Total Mercury	3.9	.57	6.0	14.5	.25	.55	7.2	6.6 ppm
Total Oil + grease	1,310	100.0	190.0	1,990	10.0	150	1267	1720 ppm
Total Chlorides	.068	.063	.063	.085	.055	.11	.075	.080%
TCLP Extraction								
Mercury	.048	.006	.055	.092	.005	.007	.061	.054 Mg/l

Burt M. St. Clair
Burt M. St. Clair



MILFORD MATERIALS TESTING LABORATORY, INC.

655 Plains Rd. • Milford, Connecticut 06460

(203) 877-3163

To: Textron-Lycoming Div.
550 South Main St.
Stratford, CT. 06497

June 9, 1992
Test M 53936

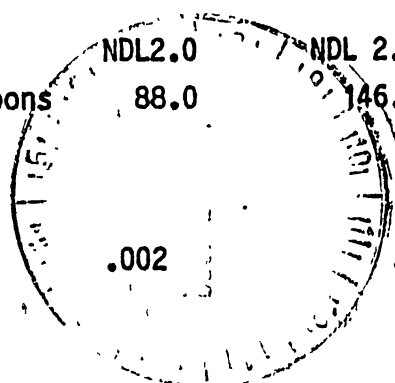
Mail to P.O. Box 493
Milford, Conn. 06460

Att: Mr. Jack Shephard Dept. LSC-2

From: Burt M. St. Clair

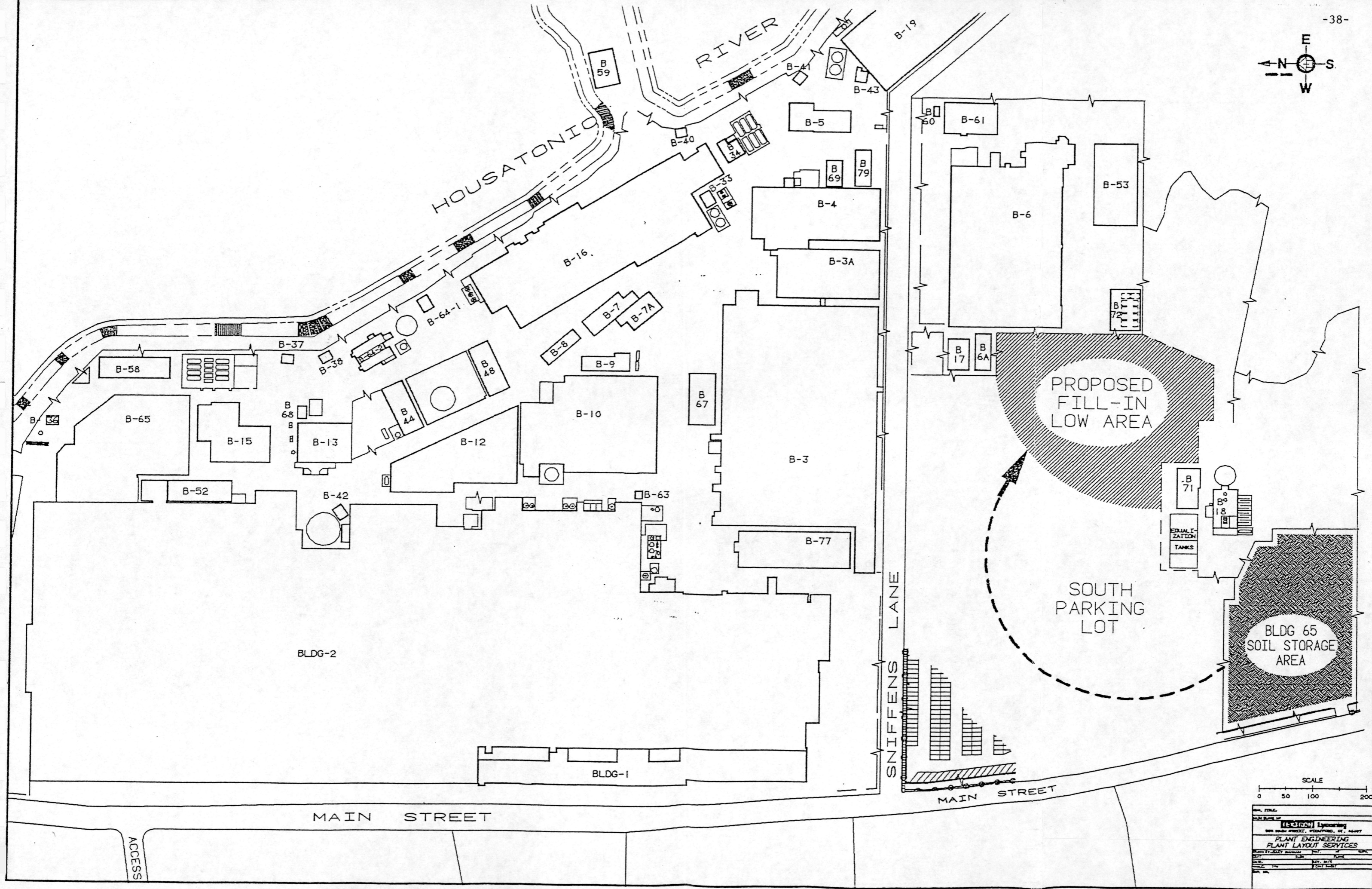
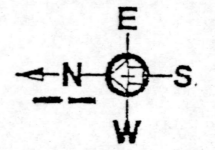
Re: Exam of 4 soil samples from Bldg 16 Rec'd 6/5/92 PO H360483

Test -----	Result -----			
	Cell 7A	7B	8A	8B
1,1,1 Trichloroethane	NDL 2.0	NDL 2.0	7.0	NDL 2.0 ppb
Total Petroleum Hydrocarbons	88.0	146.0	62.0	100.0 ppm
TCLP ----- Mercury	.002	.003	.004	.002 Mg/l



Burt M. St. Clair
Burt M. St. Clair

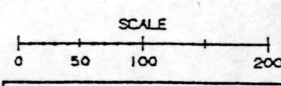
**SAEP FACILITY
PROPOSED FILL AREA**



PROPOSED FILL-IN LOW AREA

SOUTH PARKING LOT

BLDG 65 SOIL STORAGE AREA



REGION Engineering	
PLANT ENGINEERING PLANT LAYOUT SERVICES	
DATE: _____	REV. DATE: _____
SCALE: _____	PROJECT NO.: _____

ACCESS

MAIN STREET

MAIN STREET

SNIFFENS LANE

HOUSATONIC RIVER

BLDG-2

BLDG-1

EQUALIZATION TANKS

B-71

B-3

B-77

B-10

B-67

B-9

B-8

B-7A

B-7

B-16

B-4

B-69

B-79

B-5

B-43

B-41

B-59

B-19

B-64-1

B-37

B-38

B-13

B-12

B-65

B-15

B-58

B-52

B-42

B-44

B-48

B-61

B-53

B-6

B-17

B-6A

B-7A

B-18

B-18

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc

550 Main Street
Stratford, CT 06497
203/385-2000

SOUTH LOT SOIL SAMPLE PROJECT

P.O. H346837

PLANT ENGINEERING: PROJECT MANAGER - MIKE FLACH
PROJECT ENGINEER - DENNIS BABCOCK

ENVIRONMENTAL: PROJECT MANAGERS - JOHN FLEMING
JAMES RUNSTADLER

RECORD OF EVENTS

SEPTEMBER 1991

JOHN FLEMING DEVELOPS SAMPLE PLAN.

- SOIL PILES WHICH WERE RANDOMLY PLACED IN BERMED AREA OF SOUTH PARKING LOT ARE EACH ASSIGNED REPRESENTATIVE LETTERS A THRU F (E2).

- EACH PILE IS MEASURED TO DETERMINE THE AREA IT WOULD COVER IF SPREAD OUT INTO A 2' DEEP LIFT.

- ON THE COMPUTER, EACH LIFT IS DIVIDED INTO 6' X 6' OR 9' X 9' GRIDDED AREAS.

- COMPUTER GENERATES RANDOM SAMPLE PLAN AS PER EPA SW-846 VOL. II, CHAPTER 9 METHODS FOR PILES A-F.

SEPTEMBER 26, 1991 BID CONFERENCE HELD WITH PROSPECTIVE SAMPLE LABS.

NOVEMBER 15, 1991 PURCHASE ORDER AWARDED TO CLEARWATER LABS INC.

-2-

SEPTEMBER 1991 - MARCH 1992 -

PILES SPREAD BY COASTAL CONSTRUCTION.
SAMPLES COLLECTED BY C.P. UTILITY.
SAMPLES ANALYZED BY CLEARWATER.

NOTE 1: EACH LIFT SECTION IS PROCEEDED BY A:

- A) COVER LETTER FROM CLEARWATER LAB STATING COLLECTION DATE AND ANALYSIS PERFORMED.
- B) OVERALL SITE LOCATION MAP
- C) SUMMARY AND STATISTICAL ANALYSIS REPORT
- D) INDIVIDUAL PILE SAMPLE LOCATION GRID
- E) CHART LISTING SAMPLES ACTUALLY ANALYZED.

NOTE 2: IN THE FIELD, LIFTS DID NOT LAY OUT EXACTLY AS CALCULATED, FOR EXAMPLE, SOME SOIL FOR LIFT A3 MAY HAVE BEEN TAKEN FROM AN AREA DESIGNATED FOR B1. SEE SECTION ON SAMPLE LOCATION TRACKING MAPS.

LIFT B1 WAS NOT NEEDED AT ALL. THE SOIL HAD ALREADY BEEN SPREAD INTO OTHER LIFTS.

NOTE 3: IN ORDER TO REDUCE THE PROBABILITY OF THE LAB HAVING TO RETURN TO THE SAMPLE SITE, ADDITIONAL RANDOM SAMPLES WERE COLLECTED BY THE LAB AND ANALYZED ON AN AS-NEEDED BASIS TO COMPLETE THE STATISTICAL ANALYSIS AND ONLY ANALYZED AS REQUIRED.

-3-

MAY 1992

ALL ANALYSIS RESULTS WERE COMPLETED AND ORGANIZED.

JUNE 16, 1992

JAMES RUNSTADLER WROTE LETTER TO STATE D.E.P. ON POSSIBLE USE FOR THIS SOIL ACCOMPANIED BY THE STATISTICAL ANALYSIS REPORTS FROM EACH LIFT.

JUNE 1992

KASPER ASSOCIATES IS AWARDED PURCHASE ORDER TO DESIGN AN AREA IN THE SOUTH PARKING LOT TO USE THIS SOIL AS FILL.



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

PROPOSAL PREPARED FOR:

TEXTRON LYCOMING, INC.
Stratford, CT

SUBMITTED BY:
CLEARWATER ANALYTICAL LABORATORIES, INC.
Hamden, CT



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

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SECTION	3	STATEMENTS OF QUALIFICATION
SECTION	4	INSTRUMENT INVENTORY
SECTION	5	CERTIFICATIONS



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

October 3, 1991

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Mr. Ed Duggan

RE: Request for Quotation Number: YI15470

Dear Sir:

CLEARWATER ANALYTICAL LABORATORIES, INC. respectfully submits the enclosed proposal in response to your RFQ YI15470, to perform sampling and analysis of soil samples.

Thank you for considering CLEARWATER ANALYTICAL LABORATORIES for this work.

Sincerely,

Barbara E. Bastenbeck
Manager, Business Development

BEB



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

SCOPE OF SERVICES

CLEARWATER ANALYTICAL LABORATORIES, INC. will perform the following services for TEXTRON LYCOMING, INC. in accordance with the specifications as outlined in RFQ No: YI15470:

Dispatch two certified field technicians to TEXTRON LYCOMING to collect soil samples at TEXTRON's Stratford facility, on an "as needed" basis, for a total of ten field sampling activities. The sampling will follow the soil sample plan outlined by TEXTRON. Samples will be composited at each grid area. The sampling will be accomplished utilizing disposable teflon liners and transported in containers that have been supplied by CLEARWATER, and in accordance with published EPA protocol.

All samples will be transported to our laboratory in Hamden, CT for analysis. Test results will be available one week (five working days) after receipt in our laboratory at Hamden, CT. Field and trip blanks will be provided for VOC analysis only.

After each round of testing has been completed, a statistical evaluation (the mean, variance, standard deviation and confidence interval) demonstrating a 95% confidence level will be reported along with the standard test results obtained from analysis of each sample. Excess sample will be collected to be held in reserve for a period of 60 days after the entire work program has been completed, for reevaluation if required by TEXTRON LYCOMING.

It is understood that as much as two months may elapse between sampling assignments.



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

CLEARWATER ANALYTICAL LABORATORIES, INC. will subcontract the sample collection to CP UTILITY SERVICES COMPANY, professional engineers, Hamden, CT. Pricing for these services has been included on our Fee Schedule, attached herewith.

CP UTILITY SERVICES COMPANY's qualifications have been included in the STATEMENTS OF QUALIFICATIONS section of this proposal.



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 291-6290

CT Registration No. PH-0432

CLEARWATER ANALYTICAL LABORATORIES, INC.
STATEMENT OF QUALIFICATIONS



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0402

STATEMENT OF QUALIFICATIONS

LOCATIONS AND SERVICES OFFERED

CLEARWATER ANALYTICAL LABORATORIES, INC. (CLEARWATER) provides high quality, reliable analytical laboratory services which include chemical analyses of air, water, food ingredients and food products, wastewater, oils, soils and hazardous wastes. All analyses are performed on the newest fully automated, and accurate instrumentation.

CLEARWATER has laboratories in Hamden, CT and East Hampton, CT. While both locations can provide analytical testing services, only the Hamden facility performs organic analyses and accepts air samples.

The Hamden, CT facility routinely performs complete analytical testing services for clients in industry, metal finishers, printing and photo finishing companies, the State of Connecticut, food, drug, cosmetic and pharmaceutical companies, homeowners and drinking water companies. Client assistance is provided and strongly urged for those who are unclear on sampling protocol. As an additional service, sample containers with appropriate preservatives, chain of custody and shipping containers are provided.

SPECIALIZED EXPERIENCE AND COMPETENCE IN CHEMICAL ANALYSIS

CLEARWATER has been providing analytical testing services in the New England area for more than 20 years. The laboratory is the outgrowth of a medical testing laboratory in Fairfield, CT of which John Morico was a principal. Mr. Morico founded CLEARWATER in 1970 and incorporated it in 1980. In 1989, the laboratory moved to its present location in Hamden, CT. The 5,000 sq. ft. facility is equipped with state-of-the-art instrumentation to analyze for trace metals,



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden, CT 06517 • (203) 231-6290

CT Registration No. PH-0432

-2-

volatile organics, base neutral and acid extractable organics, physical characteristics, microbiologicals and general chemistries.

The laboratory is certified by the State of Connecticut the State of New Hampshire, Department of Health Services and approved by the Federal Food and Drug Administration and EPA.

The laboratory regularly performs analytical work related to drinking water testing, groundwater monitoring, soil and hazardous waste characterization, oil and petroleum products analysis, wastewater discharge, underground storage tanks, and air monitoring. Requests from clients with specialized needs has led CLEARWATER to develop special methods for unusual parameters or for unusually low levels. For example, a recent request from a wine importer required method development to analyze a sparkling wine for Procymidon, which is a pesticide in the grape growing industry.

At the request of another client, CLEARWATER was retained to develop the HPLC method for the active ingredient in Colilert which product has subsequently been adopted by EPA for the detection of total coliform in water samples.

A supplier to the cosmetic industry requested CLEARWATER to develop a protocol to isolate and identify the characteristic compound found in a topical astringent. The laboratory responded to the request and developed a method utilizing HPLC and U.V. Detection. The method and the actual identification of the heretofore unidentified compound is awaiting U. S. P. approval.

CLEARWATER understands the importance of communication at all stages of any sampling program. The laboratory, therefore, provides not only a well-written, technically sound sample specific report, but extends itself to assure that samples arrive at the laboratory without incident and that reports are issued in a timely manner. To ensure sample integrity, CLEARWATER provides courier service to its clients in Connecticut, and provides packaging for shipment of samples in accordance with EPA protocol, from anywhere in the country.



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203/231-8299

CT Registration No. PH-0432

-3-

PERSONNEL:

The Hamden, CT laboratory has a staff of eight, including the principals, John and Lucille Morico. All staff personnel hold advanced degrees in chemistry and are cross trained and experienced in commercial laboratory services. Key staff persons contribute strongly to projects involving the sampling and analysis of water, soil and air. Full resumes will be supplied on request.

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM:

CLEARWATER is particularly strong in the area of quality assurance/quality control procedures. Standard QA/QC practices followed in both laboratories consistently meet or exceed those specified by the State of Connecticut and federal regulatory agencies, including EPA. This provides consistent QA/QC performance and well documented, legally defensible data.

The QA/QC program at CLEARWATER is extremely detailed and strictly followed. The program is administered by John Morico, Director. A detailed accounting of the QA/QC is available upon request.

ENVIRONMENTAL ENGINEERING SERVICES

C/P's Environmental Engineering Services group provides a wide range of services to property owners and facility operators. C/P can assess the degree of contamination on a property, design and implement programs to remediate the contamination, determine whether the operations on the property comply with federal, state and local regulations, develop or upgrade environmental management systems, assess environmental risks and liabilities, and develop risk management strategies. C/P's staff is experienced in the scientific, regulatory and engineering aspects of environmental projects.

C/P's Environmental Engineering Services group serves its clients in the following areas:

- Environmental Site Assessments
- Hydrogeologic Services
- Remedial Services
- Regulatory Compliance Services
- Environmental Auditing and Risk Management Services
- Hazardous Waste Management and Waste Minimization Services

C/P's staff is comprised of highly specialized talent attracted from utility companies, industry, government and consulting firms. The cumulative experience of C/P's staff is extensive and diverse.

C/P provides services in the areas of:

ENVIRONMENTAL ENGINEERING

- Environmental Site Assessments
- Hydrogeologic Services
- Remedial Services
- Regulatory Compliance Services
- Environmental Auditing and Risk Management Services
- Hazardous Waste Management and Waste Minimization Services

DISTRIBUTION SERVICES

- Meter Services
- Water Conservation
- Leak Detection
- Water Audits
- Hydraulic Modeling

CORROSION CONTROL

- Corrosion Engineering
- Protective Coatings Service
- Underground Storage Tank Services

CONTRACT OPERATIONS

- Management Services
- Operational Services

COMPUTER SOFTWARE APPLICATIONS

- Customer Accounting and Billing

C/P's staff have worked with a variety of facilities from small businesses to large industries, including utility companies, chemical manufacturers, general manufacturers, waste oil recyclers, hazardous waste facilities, landfills, oil terminals, metal finishers and research laboratories. C/P's Environmental Services Manager has ten years of environmental enforcement experience in air and water pollution control, solid and hazardous waste management and underground storage tank regulatory programs.

Specific regulatory compliance services which C/P can provide include:

- Complete environmental regulatory compliance services
- Wastewater discharge, waste management facility and air emission source permitting
- "Regulatory compliance documents" including inspection, monitoring, waste analysis, training, contingency, closure and spill control plans
- Environmental recordkeeping and reporting systems development
- Discharge monitoring and reporting
- Comprehensive multimedia environmental compliance audits
- Environmental impact studies
- Expert testimony and technical litigation support
- "Turn Key" environmental compliance programs
- General environmental consulting

STAFF

C/P's staff has extensive experience with environmental projects of all sizes and types. C/P's professional staff includes engineers, hydrogeologists and environmental scientists. All work is performed or directly managed by a degreed professional with experience in projects of that type. Work products are reviewed by a licensed professional engineer or senior scientist prior to being finalized to assure the technical quality of the work.

C/P uses highly trained technical specialists and field personnel. C/P's technical staff includes inspectors, corrosion scientists, tank testing specialists, construction managers and environmental technicians. All of C/P's technical staff have been specifically trained in the services they provide and when required, have the necessary certifications to perform the work.

C/P has made arrangements with a variety of highly qualified environmental specialists who can act as subconsultants to C/P on projects which require their specialized expertise. Any work performed by these individuals is under the direct supervision of the C/P project manager and must meet the same quality standards as work performed directly by C/P staff.

C/P uses only qualified contractors with specific experience in the type of work to be performed. By maintaining good relationships with laboratories, well drillers, excavating contractors, waste transportation and disposal firms, C/P is generally able to obtain high quality services for its customers at a reasonable price and, when necessary, get a quick response.

KEY STAFF

The experience and qualifications of key staff members are summarized below. Full resumes of selected staff members are provided in Appendix I.

David J. Gworek, P.E., Manager of Environmental Engineering Services is a chemical/environmental engineer with over fourteen years of environmental experience with industrial, environmental services, and consulting firms. His experience includes site investigations; remedial action plans and implementation; wastewater, groundwater, and soil remediation system design; minimization programs; and hazardous waste management. He has a BS degree in Chemical Engineering and is a registered Professional Engineer in Connecticut, New York and Massachusetts. Mr. Gworek is directly involved in all of C/P's environmental projects.

Theodore Lund, vice president of C/P, has eleven years of experience in geology, corrosion control, water conservation programs and environmental services. He has a BS degree in geology/geophysics. Mr. Lund provides both technical and management support to C/P's environmental engineering projects.

Joe Harris is C/P's manager of Corrosion Control and Underground Storage Tank programs. Mr. Harris has a BS degree in mechanical engineering from Texas A & M and over eight years of experience in the petroleum, corrosion control and underground tank industries. Mr. Harris supervises a group of construction managers and technical specialists.

David Goff, P.E. is an environmental engineer with twenty years of experience in water system design, site investigations, environmental permitting and environmental risk assessments.

Timothy Gazda, P.E. is a mechanical engineer with eight years of industrial and environmental experience. Mr. Gazda designs remedial systems, air strippers, and underground storage tank systems and manages various remedial and underground storage tank projects.

David Burrage, a consultant to C/P, is an environmental scientist/engineer with twelve years of experience in the industry and consulting. Mr. Burrage has expertise in hazardous waste management, waste reduction programs and waste water treatment systems, particularly in the metal finishing and plating industry.

Edward Sailer, a consultant to C/P, is an environmental regulatory expert with twelve years of experience in the government, industry and consulting. Mr. Sailer has extensive experience with hazardous waste management regulations, regulatory interpretation and expert testimony.



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-8293

CT Registration No. PH-0432

INSTRUMENT INVENTORY

<u>MAKE</u>	<u>MODEL</u>	<u>INSTRUMENT</u>
VARIAN	SATURN	GC\MS
VARIAN	3400	GC\HALL-PID
VARIAN	3400	GC\ECD-FID
VARIAN	8100	AUTO\SAMPLER
HITACHI	Z-8100	G.H.A. A.A.S. WITH A/S
HITACHI	Z-8100	FLAME A.A.S. WITH A/S
LEEMANS LABS	PS-1000	I.C.P. WITH A/S
PERKIN ELMER	137	IR SPECTROPHOTOMETER
TEKMAR	LS-2000	PURGE & TRAP FOR GC\MS
TEKMAR	ALS-2050	AUTO LIQUID SAMPLER
TEKMAR	LSC-2016	P & T FOR HALL-PID
BARNSTEAD	RO PURE LP	REV. OSMOSIS SYSTEM
METTLER	AE-200	ANALYTICAL BALANCE
METTLER	AE-100	ANALYTICAL BALANCE
METTLER	GA-44	BALANCE PRINTER
FISCHER SCIE.	GRAM-ATIC	ANALYTICAL BALANCE
SARTORIUS	HIGH-WEIGHT	BALANCE
BAUCH & LOMB	SPECTRONIC 20	SPECTROPHOTOMETER
COLEMAN	6A	SPECTROPHOTOMETER
CHEMTRIX	TYPE 12	TURBIDIMETER
HACH	2100-A	TURBIDIMETER
ORION	720-A	pH METER
ORION	702-A	SELECTIVE ION METER
MONITEK	21	NEPHELOMETER
YSI	54	DISSOLVED O ₂ METER
MILLIPORE	OM-149	ZERO HEADSPACE EXTRACTOR
MILLIPORE	OM-100	HAZARDOUS WASTE FILTER
MILLIPORE		ROTARY TUMBLER
CASTEL	SPEED-777	AUTO-CLAVE
BLUE-M	MAGNI-WHIRL	HIGH TEMP. INCUBATOR
BLUE-M	SW-17TA-1	GRAVITY CONVECTION OVEN
PRECISION SCIE.	THELCO	HIGH TEMP. FURNACE
LABCONCO		PROTECTOR LAB HOOD
FISHER	307	LOW TEMP. INCUBATOR
FISHER	HYCEL	THERMAL DIGESTOR BLOCK
THERMOLYNE		THERMAL DIGESTOR BLOCK
G.E.	FREEZER	LOW TEMP. REFRIGERATOR
BRANSONIC	42	ULTRASONIC HEAT BATH
AMER. OPTICAL	QUEBEC	COLONY COUNTER
CONTINENTAL	SYSTEM 1800	COMPUTER SUPPORT SYST.
CONTINENTAL	CYBOR	COMP. SUPPORT SYSTEM
ISCO		HPLC
SKALAR	SCAN PLUS	MULTICHANEL SEGMENTED FLOW ANALYZER

State of Connecticut, Department of Health Services

APPROVED PUBLIC HEALTH LABORATORY

This is to certify that the laboratory described below has been approved by the State Department of Health pursuant to applicable provisions of the Public Health Code and General Statutes of Connecticut, for making the examinations, determinations, or tests specified below which have been authorized in writing by that Department.

CLEARWATER ANALYTICAL LABORATORIES, INC.

Name of Laboratory

Located at 6 Industrial Circle.....in Hamden, Connecticut..06517.....and
registered in the name ofJohn L. Morico.....

This certificate is issued in the name ofJohn L. Morico..... *who has been designated by the registrant to be in charge of the laboratory work covered by this certificate of approval as follows:*

Potable Water, Wastewater and/or Trade Waste, Sewage and/or Effluent, Soil, Food

Examination for

- Bacteria (except for soil)
- Inorganic Chemicals
- Organic Chemicals

Air

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

Examination for

Atmospheric Contaminants

This certificate expiresDecember 31..... 19⁹¹ *and is revocable for cause by the State Department of Health.*

Dated at Hartford, Connecticut, this29th..... day ofJanuary....., 19⁹⁰



Jose S. Truchey, Ph. D.
Chief, Bureau of Laboratories

Earl R. Thompson, Jr. M. S.
Division Director, Laboratory Standards

CONNECTICUT STATE DEPARTMENT OF HEALTH

LABORATORY DIVISION

FRIDAY MAY 10, 1991

2:30 PM

REGISTRATION DATE 10/7/91

CLEVERIDGE ANALYTICAL LABS, INC
 REGISTRATION NUMBER 100100
 CO-DIRECTOR
 MEDICARE NUMBER-

4 INDUSTRIAL CIRCLE HANDEL CT 06517
 DIRECTOR DONALD HORTON

INTERSTATE NUMBER-

TEST 200	POTABLE WATER		
TEST 201	WASTEWATER AND/OR TRADE WASTE		
TEST 202	SEWAGE AND/OR EFFLUENT		
TEST 203	SOIL		
TEST 204	AIR		
TEST 205	FOOD		
TEST 206	MISCELLANEOUS MATERIALS		
TEST 211	MICROBIOLOGY		
TEST 212	TOTAL COLIFORM-MEMBRANE FILTER		
TEST 213	TOTAL COLIFORM-MULTIPLE TUBE FERMENTATION		
TEST 214	FECAL COLIFORM-MEMBRANE FILTER		
TEST 215	FECAL COLIFORM-MULTIPLE TUBE FERMENTATION		
TEST 216	FECAL STREPTOCOCCUS-MEMBRANE FILTER		
TEST 217	FECAL STREPTOCOCCUS-MULTIPLE TUBE FERMENTATION		
TEST 218	STANDARD PLATE COUNT		
TEST 221	PSEUDOMONAS AERUGINOSA		
TEST 222	PLANKTON		
TEST 231	INORGANIC CHEMICALS		
TEST 232	PHYSICAL EXAMS		
TEST 233	COLOR		
TEST 234	ODOR		
TEST 235	TURBIDITY		
TEST 236	PH		
TEST 237	CONDUCTIVITY		
TEST 238	TEMPERATURE		
TEST 239	MINERALS		
TEST 240	ACIDITY		
TEST 241	ALCALINITY		
TEST 242	HARDNESS		
TEST 243	SULFATE	TEST 279	CHROMIUM VI
TEST 244	SULFIDE	TEST 280	COBALT
TEST 245	SULFITE	TEST 281	COFFER
TEST 246	BROMIDE	TEST 282	IRON
TEST 247	CHLORIDE	TEST 283	LEAD
TEST 248	FLUORIDE	TEST 285	MAGNESIUM
TEST 249	CHLORINE	TEST 286	MANGANESE
TEST 250	NUTRIENTS	TEST 287	MERCURY
TEST 251	AMMONIA	TEST 288	MOLYBDENUM
TEST 252	KJELDAHL NITROGEN	TEST 289	NICKEL
TEST 253	ORGANIC NITROGEN	TEST 290	POTASSIUM
		TEST 291	SELENIUM
TEST 254	ANITRATE	TEST 292	SILVER
TEST 255	NITRITE	TEST 293	SODIUM
TEST 256	ORTHO-PHOSPHATE	TEST 294	THALLIUM
TEST 257	TOTAL PHOSPHORUS	TEST 295	TIN
TEST 258	MISCELLANEOUS		TITANIUM
TEST 259	TOTAL SOLIDS	TEST 296	VANADIUM
TEST 260	TOTAL DISSOLVED SOLIDS	TEST 298	ZINC
TEST 261	TOTAL VOLATILE SOLIDS	TEST 299	ATMOSPHERIC CONTAMINANTS
TEST 262	CYANIDE	TEST 300	CARBON MONOXIDE
TEST 264	IGNITABILITY	TEST 301	NITROGEN DIOXIDE
TEST 265	SURFACTANTS	TEST 302	SULFUR DIOXIDE
TEST 266	DEMAND	TEST 303	FORMALDEHYDE AND/OR UREA
TEST 267	BOD	TEST 304	TOTAL SUSPENDED PARTICULATES
TEST 268	COD	TEST 305	ORGANIC CHEMICALS
TEST 270	METALS	TEST 307	PURGEABLE HALOCARBONS
TEST 271	ALUMINUM	TEST 311	PURGEABLE AROMATICS
TEST 272	ANTIMONY	TEST 312	PCB
TEST 273	ARSENIC	TEST 313	PCB IN OIL
TEST 274	BARIUM	TEST 316	PHENOLS
TEST 275	BERYLLIUM	TEST 317	BENZIDINES
TEST 276	BORON	TEST 320	
		TEST 321	

DEPARTMENT OF HEALTH AND HUMAN SERVICES
 PUBLIC HEALTH SERVICE
 FOOD AND DRUG ADMINISTRATION
ANNUAL REGISTRATION OF DRUG ESTABLISHMENT

Instructions are on the back. Read carefully before completing this form
 Furnish all attachments in triplicate.
 IF YOU HANDLE DEPRESSANT, STIMULANT, OR HALLUCINOGENIC
 SUBSTANCES, SEE ITEM SO TITLED IN THE INSTRUCTIONS.

FDA VALIDATION

REGISTERED

1991 MAR 29 PM 2:30

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 EAR
 10)

FOR FDA
 USE ONLY

CONTROL (1-3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)

051304 122099

REPORT DATE	TYPE OF OWNERSHIP	CODES FOR REASONS FOR SUBMISSION	BIOLOGIC LIC NO	U S POSTAL SERV CODE FOR STATE OF INC	NATIONAL DRUG CODE LABELER CODE (NDC)
02 25 91	CORPORATION	A			051304

- A ANNUAL REGISTRATION OF DRUG ESTABLISHMENT
- C ANNUAL REGISTRATION OF BLOOD BANK
- H OUT OF BUSINESS
- N OWNER OR OPERATOR CHANGE (PARENT CO)
- R RE-ENTRY INTO BUSINESS WITH SAME NAME
- S CHANGE IN NAME OF OWNER, PARTNER, DIRECTOR
- T ADDITIONAL NDC REQUESTED

PARENT COMPANY IDENTIFIERS		REPORTING FIRM DRUG ESTABLISHMENT REGISTRATION NO	
NDC LABELER CODE	ESTAB. REGISTRATION NO.	ID (FDA USE ONLY)	FOR FDA USE ONLY
312	369	373	320
			122099

EM NO.	NAME OF REPORTING FIRM, PARENT CO., AND MAILING ADDRESS	ITEM NO.	SITE ADDRESS
61	CLEARWATER ANALYTICAL LABORATORIES INC	101	6 INDUSTRIAL CIRCLE
72		139	HANDEN, CT
76	6 INDUSTRIAL CIRCLE	101	06517
14	HANDEN, CT		
36	06517		

EM NO.	DATA ITEM	ID	NDC LABELER CODE	OTHER FIRM NAMES
46	REPORTING FIRM SHORT NAME	T6	T49	T61
257	PARENT CO. SHORT NAME			
B27	NAME OF OWNER OR NAME AND TITLE OF OFFICER, DIRECTOR OR BOARD MEMBER.			
T46	SHORT NAME OF OTHER FIRM NAME.			

EM NO.	NEW DATA OR CHANGED DATA. ATTACH ADDITIONAL CHANGES ON PLAIN PAPER WITH NAME	FDA USE ONLY	LAST NAME AND INITIALS OF PERSON SUBMITTING DATA
			Mr. H. W. J. L.
			AREA CODE AND TELEPHONE NO.
			203-251-6240
			SIGNATURE AND TITLE OF AUTHORIZING OFFICIAL

NOTE: VALIDATION OF THIS FORM IS NOT TO BE CONSTRUED AS FEDERAL GOVERNMENT ENDORSEMENT OR APPROVAL OF THE

The State of New Hampshire
Department of Environmental Services
CERTIFICATE OF APPROVAL
Wastewater Analysis

Issued to

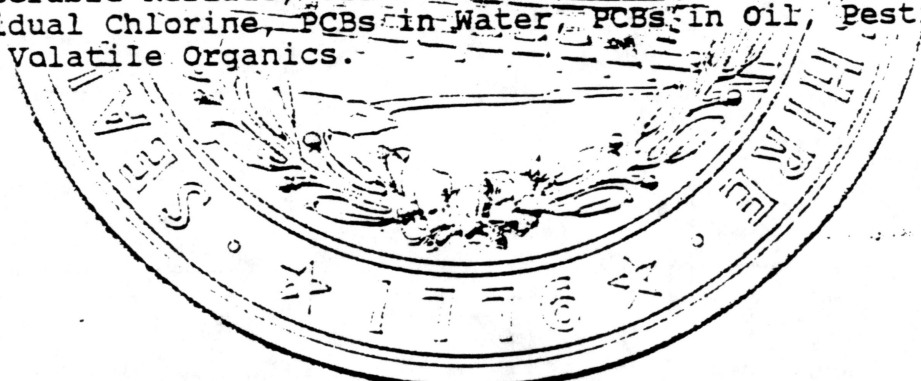
Clearwater Analytical Laboratories, Inc.

Located at
6 Industrial Circle, Hamden, CT.

Under the provisions of the Regulations in Env-C300
for the following analyses:

FULL CERTIFICATION: ~~None~~

PROVISIONAL CERTIFICATION: Aluminum, Arsenic, Beryllium, Cadmium, Chromium, Copper, Iron, Mercury, Manganese, Nickel, Lead, Selenium, Vanadium, Zinc, Antimony, Silver, Thallium, Molybdenum, Strontium, Titanium, pH, Specific Conductance, TDS, Total Hardness, Calcium, Magnesium, Sodium, Potassium, Total Alkalinity, Chloride, Fluoride, Sulfate, Ammonia-N, Nitrate-N, Orthophosphate, TKN, Total Phosphorus, COD, TOC, BOD, Total Cyanide, Non-Filterable Residue, Oil & Grease, Total Phenolics, Total Residual Chlorine, PCBs in Water, PCBs in Oil, Pesticides and Volatile Organics.



CERTIFICATE NUMBER: 251691-B

DATE OF ISSUE: July 26, 1991

EXPIRATION DATE: July 25, 1992

Charles J. Meyer
Certifying Officer

Quinnipiac College



Office of Corporate and Professional Training

This is to certify that

JOHN MORICO

has satisfactorily completed the course

FOODS AND MICROORGANISMS

This course met 1.5 hours per week for a period of 4 weeks.

In witness whereof this certificate is granted
on this 29th day of April, 1987, at Hamden, Connecticut.

Instructor

D. F. Gordonh.

Dean

Paul E. Kirby



Clearwater Analytical Laboratories, Inc.
600 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203 281-6290

CT REGISTRATION NO. PH-1412

NOVEMBER 27, 1991

Mr. Ed Duggan
ENGINEERING
550 Main Street
Stratford, CT 06437

RE: Request for Quotation Y115470

Dear Sir:

At the request of Dennis Babcock in your engineering group, enclosed please find Training Certifications for CP UTILITY SERVICES of Hamden, CT. CP UTILITY will be performing the on-site sample collection for the above referenced RFQ.

Kindly pass this information along to those in the engineering and environmental group to be inserted in our proposal of October 3, 1991.

Thank you.

Sincerely,

Barbara E. Bastenbeck
Manager, Business Development



Certificate of Completion

This is to certify that

Rory Collins

has completed an

8-Hour Annual Refresher Training Course

consistent with the requirements as set forth in 29CFR Part 1910.120

March, 1991
DATE

Michael H. Ziskin
MICHAEL H. ZISKIN
Principal Instructor
FIELD SAFETY CONSULTING, INC.
Stamford, Connecticut



Certificate of Completion

This is to certify that

Matt Mauro

has completed an

8-Hour Annual Refresher Training Course

consistent with the requirements as set forth in 29CFR Part 1910.120

March, 1991

DATE

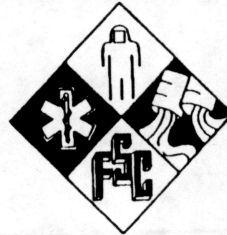
Michael H. Ziskin

MICHAEL H. ZISKIN

Principal Instructor

FIELD SAFETY CONSULTING, INC.

Stamford, Connecticut



Certificate of Completion

This is to certify that

Brent Chow

has completed an

8-Hour Annual Refresher Training Course

consistent with the requirements as set forth in 29CFR Part 1910.120

March, 1991
DATE

Michael H. Ziskin

MICHAEL H. ZISKIN
Principal Instructor
FIELD SAFETY CONSULTING, INC.
Stamford, Connecticut

Clean Harbors

PERSONNEL PROTECTION AND SAFETY FOR HAZARDOUS WASTE SITE ACTIVITIES

In accordance with training requirements established by OSHA regulation 29 CFR Part 1910.120 (e) and Section 126 (d) of the Superfund Amendments and Reauthorization Act (SARA) of 1986, the holder of this certificate has received 24 (RCRA Facilities)/40 (HazMat) hours of training and has worked three days under the direct supervision of a trained and experienced supervisor.



Name DAVID J. GWOREK

Title SR. ENGINEER

Division FARMINGTON, CT

- () 24 hr. RCRA facility training
- () 40 hr. HazMat training
- () 8 hr. supervisor training

Richard T. Cates
Compliance Training Manager

6/24/88
Date



Certificate of Completion

This is to certify that

Brent Chow

has completed an

8-Hour Annual Refresher Training Course

consistent with the requirements as set forth in 29CFR Part 1910.120

March, 1991

DATE

Michael H. Ziskin

MICHAEL H. ZISKIN

Principal Instructor

FIELD SAFETY CONSULTING, INC.

Stamford, Connecticut

Clean Harbors

PERSONNEL PROTECTION AND SAFETY FOR HAZARDOUS WASTE SITE ACTIVITIES

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Name DAVID J. GWOREK

Title SR. ENGINEER

Division FARMINGTON, CT

- 24 hr. RCRA facility training
- 40 hr. HazMat training
- 8 hr. supervisor training

Richard T. Cates
Compliance Training Manager

6/24/88
Date



Certificate of Completion

This is to certify that

Matt Mauro

has completed an

8-Hour Annual Refresher Training Course

consistent with the requirements as set forth in 29CFR Part 1910.120

March, 1991

DATE

Michael H. Ziskin

MICHAEL H. ZISKIN

Principal Instructor

FIELD SAFETY CONSULTING, INC.

Stamford, Connecticut



Certificate of Completion

This is to certify that

Rory Collins

has completed an

8-Hour Annual Refresher Training Course

consistent with the requirements as set forth in 29CFR Part 1910.120

March, 1991
DATE

Michael H. Ziskin
MICHAEL H. ZISKIN
Principal Instructor
FIELD SAFETY CONSULTING, INC.
Stamford, Connecticut

Sampling Plan

References

Reference to print implies reference to the print where the dimensions and areas were marked off to indicate the south lot where the soil is being kept.

Textual reference is to Chapter Nine of the EPA SW 846 Vol II methods publication. The method described has taken the procedure recommended for random sampling and applied it to the situation in the south lot soil.

Procedures and Analyses

Samples should be analyzed separately for metals, for TPH, for 8010 and 8020, and for all of the parameters. A random selection of the number of each type of analysis selected from a random selection of the number of samples to be taken for each area and the results tabulated. Thus for example ,for pile D, the random selection was 15 samples for metals analysis, 13 samples for TPH analysis, 3 samples of VOC analysis and one sample for all of the parameters to be analyzed. The tables of random selections are listed below for each area to examined.

Sample Locations

AREA	a3	a2	a1	b2	b1	e1	e2	d	c2	c1
TEST										
1	15	48	52	157	144	11	131	101	14	179
2	7	116	136	15	98	2	126	146	42	40
3	12	100	101	112	73	33	142	207	108	106
4	3	119	96	74	95	54	205	139	108	106
5	1	56	109	188	62		162	238	121	204
6		87	59	44	62		152	171	145	8
7			82	112	151		157	67	94	95
8				17	48		164	100	110	118
9				127	165		85	78	162	131
10				101			130	337		131
11								291		
12								340		
13								304		
14								65		
15								314		

Number of Samples

Area	a3	a2	a1	b2	b1	e1	e2	d	c2	c1
Test										
met	5	6	7	9	8	4	9	15	9	10
tph	4	1	3	5	7	0	1	13	9	5
voc	1	4	1	6	3	4	1	3	4	9
all	1	5	7	5	3	1	10	1	5	7

Sampling:

For each area the values for the number of samples and number of each type of sample should be used from the tables. For example, for area A3, five samples should be taken for metals analysis from grid squares 15,7,12,3 and 1; four samples should be taken from grid squares 15,7 12 and 3; one sample should be taken for 8010 and 8020 analysis from grid area 15; and last, one sample should be taken from grid square 15 for analysis for all the parameters. In all that means four separate samplings of grid square 15 should be taken for analysis.

Collecting Samples:

All sample collection and analysis methods should follow established professional procedures acceptable to US EPA.

Metals can be analyzed from a sample which is actually composed of several samples taken randomly from within the grid square being sampled. Thus for example, five samples of the soil in a square can be combined together to form one sample which is submitted to the laboratory for metals analysis. The sample for metals analysis should be analyzed for chromium and lead. If enough material (soil) is taken for each sample, the same sample can also be used by the laboratory for analysis of TPH and for TCLP of metals. The sample can NOT, however, be used to analyze by 8010 and 8020 method for VOC's as these samples must be put into a sealed, closed non-plastic containers and kept at as close to 4 degrees C as possible until analysis. The samples should be taken at a depth of one foot, or, if compositing samples may be taken at a depth of one foot and at a depth one two feet - on the bottom of the layer. Totally then, for the example, one large sample - probably ten to fifteen pounds - should be taken for metals, TPH, and TCLP metals, and, one smaller sample which is for VOC analysis - probably five to ten pounds - should be taken, a total of two samples for the four analyses.

Analysis:

Definition details:

Samples should be examined for:

Toxic Chemical Leaching Procedure for metals (TCLP)

Chromium and Lead (Metals) - total quantity

Total Petroleum Hydrocarbons (TPH) - EPA IR method

Volatile Organics using the EPA 8010 and the 8020 methods (VOC)

All means analysis for TCLP, TPH and VOC (8010 and 8020)

Pile D analysis:

Operations

Pile D on the print, being already spread out on an area of 128 by 105 feet, should be sampled first. The area should be gridded with a six (6) foot spacing. Samples should then be taken from the squares which were randomly selected, namely:

1,346,257,318,373,42,126,223,343,41,130,102,174,298,110.

Sampling and Analysis

Three fourths of the samples (13) for metals analysis, three fourths of the samples (11) for TPH analysis and three fourths of the samples (1) for complete (All) analysis should be sent to the laboratory for analysis. The remaining one fourth of the samples should be held in reserve as will be explained. All samples for VOC analysis should be sent to the laboratory for analysis.

Determination

Results of the analyses performed should then be used to calculate the mean, variance, standard deviation, confidence interval and number of samples to obtain a 95 % confidence level. If needed as determined from the number of samples to be taken from calculation then, more analyses can be obtained using the samples held in reserve unanalyzed, or, if the material can be classified as either hazardous or not, to proceed accordingly with handling of the material as follows.

If the material can be classified clean it should be moved to area G; if contaminated it should be moved to area H.

Pile A analysis:

Operations

The material from pile A should then be spread out to cover areas A, I and D to a depth of two feet. This is composed of three areas (A2, A3 and A1) 164 by 48 ; 120 by 90 ; and 128 by 105 feet. Each should be gridded with a 9 foot spacing.

Sampling

Sampling should then be done as before using the tables above for each area (A2, A3 and A1 respectively) for the number of samples and the number of each type of analysis (A1 metals = 5;TPH = 3;All = 5, A2 metals = 4; TPH = 1; All = 4, A3 metals = 4; TPH = 4; All = 1). Results of the analyses should again be used to calculate the mean, variance, standard deviation, confidence interval and the number of samples to obtain a 95 % confidence level.

Determination

As before if not enough samples have been taken use the samples held in reserve, otherwise, if the material can be classified non-hazardous (clean), the material should be moved for each area pile (A2, A3 and A1 respectively) to area I, otherwise if classified contaminated then this would mean that the material should be moved to area J.

Pile B analysis:

Operations

The soil in pile B should then be spread out to cover area A and B to a depth of two feet. This will cover two areas, one of 164 by 48 and one of 116 by 71 feet (B1 and B2 respectively). Each should be gridded with a 9 foot spacing.

Sampling

Sampling, using the tables above for each area (B1 and B2) for the number of samples and the number of each type analysis (B1 metals = 6; TPH = 6; All = 2, B2 metals = 7; TPH = 4; All = 4). Results of the analyses should be used to calculate the mean, variance, standard deviation, confidence interval and the number of samples to obtain a 95 % confidence level.

Determination

As before use more samples, or, if the material can be classified as clean, it should be moved to area A, otherwise, a contaminated classification would mean that it should be moved to area J.

Pile C analysis:

Operations

The soil in pile C should then be spread out to cover area B and C

to a depth of two feet. This will cover areas of 116 by 71 and 105 by 73 feet (areas C2 and C1 respectively). Each should be gridded with a 9 foot spacing.

Sampling

Sampling, using the tables above for each area (C2 and C1) for the number of samples and the number of each type analysis (C1 metals = 3; TPH = 1; All = 1, C2 metals = 7; TPH = 1; All = 7). Results of the analyses should be used to calculate the mean, variance, standard deviation, confidence interval and the number of samples to obtain a 95 % confidence level.

Determination

As before, if the material can be classified as clean, it should be moved to area B, otherwise, a contaminated classification would mean the material should be moved to area J.

Piles E and F analysis:

Operations

The soil in pile E and F should then be spread out to cover areas e, F and D to a depth of two feet. This will cover areas of 80 by 55 and 105 by 125 feet (areas E2 and E1 respectively). Each should be gridded using a 9 foot spacing.

Sampling

Sampling, using the tables above for each area (E2 and E1) for the number of samples and the number of each type of analysis(E1 metals = 8; TPH = 4; All = 6, E2 metals = 7; TPH = 7; All = 4). Results of the analyses should be used to calculate the mean, variance, standard deviation, confidence interval and the number of samples required to achieve a 95 % confidence level.

Determination

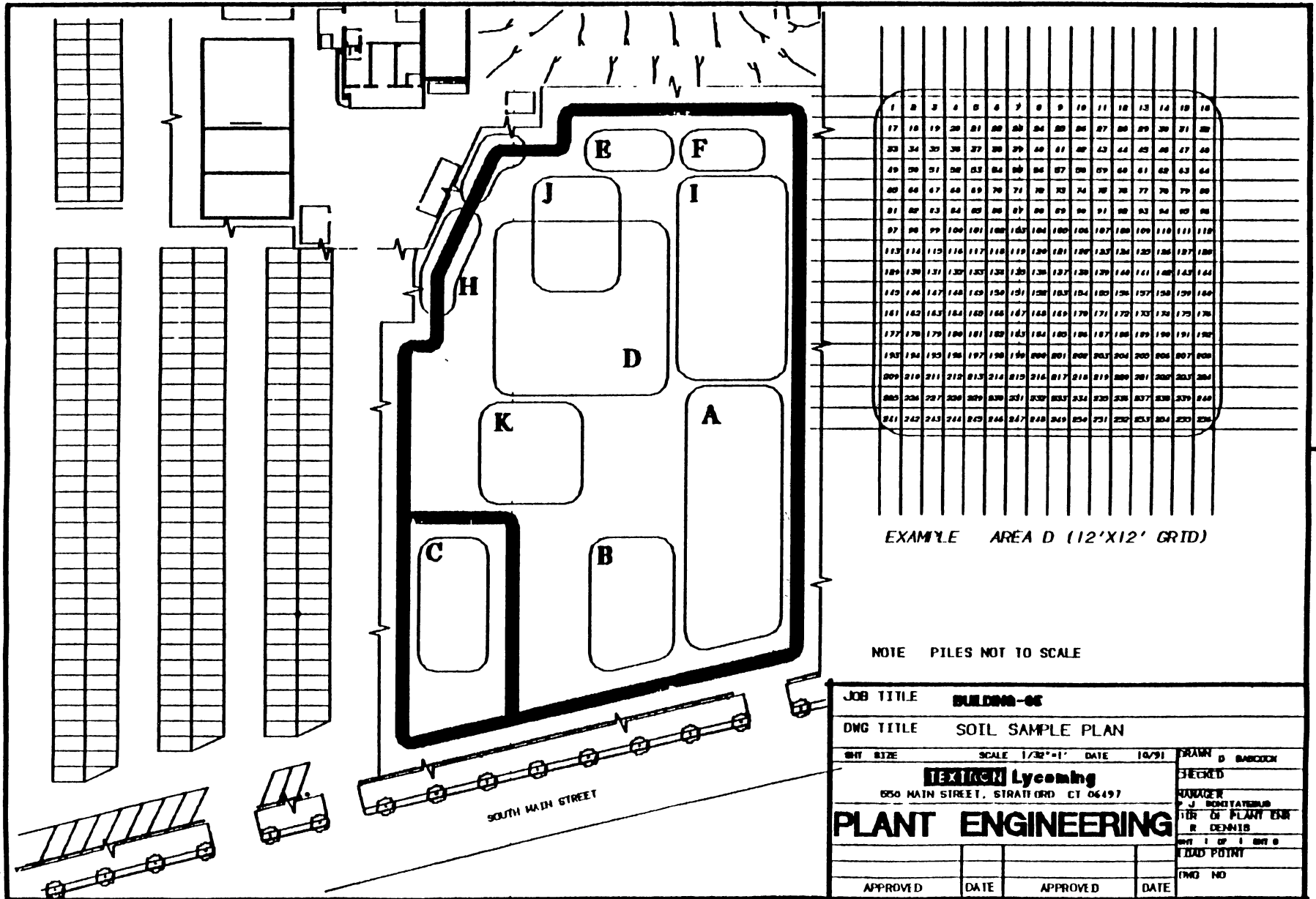
As before, if the material can be classified as clean, it should be moved to area E and G, otherwise, a contaminated classification would mean the material should be moved to area F.

Disposal:

Disposal of the materials, if any, in area piles J and F would then have to be sought. The material in area piles G, I, A, B and E would then be of known analysis and could be used on site or disposed of offsite as cover material or for other use even possibly with a return of value.

Cr	5 = LIMIT		STD	NUMBER					STD	NUMBER	
	AREA	MEAN	t	DEV	SAMPLES	CI+	CI-	HIGH	LOW	ERROR	
A3	1.400	1.476	1.140	5	2.153	-2.410	3.553	-1.010	0.510	0.7867	1
A2	1.667	1.44	1.211	6	2.379	-3.271	4.045	-1.605	0.494	0.8087	2
A1	1.429	1.415	1.272	7	2.109	-4.718	3.538	-3.290	0.481	0.7288	3
B2	1.000	1.372	1.247	10	1.652	-8.331	2.652	-7.331	0.394	0.6118	4
B1	1.111	1.393	1.269	9	1.589	-7.668	2.700	-6.557	0.423	0.6487	5
E1	1.000	1.533	1.528	4	2.171	-2.614	3.171	-1.614	0.764	0.7638	6
E2	1.000	1.372	1.269	10	1.217	-10.132	2.217	-9.132	0.401	0.6118	7
D	0.667	1.341	1.113	15	1.496	-12.303	2.163	-11.637	0.287	0.5395	8
C2	1.111	1.393	1.282	9	1.595	-7.741	2.706	-6.629	0.427	0.6487	9
C1	1.000	1.372	1.269	10	0.551	-15.732	1.551	-14.732	0.401	0.6118	10
			4								11
TEST											12
METALS	5	6	7	9	8	4	9	15	9	10	13
TPH	2	6	5	0	6	0	7	3	3	4	14
VOC	4	0	2	9	1	3	11	8	2	4	15
ALL	1	2	2	9	8	1	1	6	8	7	
\$											
METALS	200.00	240.00	280.00	360.00	320.00	160.00	360.00	600.00	360.00	400.00	COST
TPH	117.33	358.94	276.01	13.48	367.85	23.94	435.58	186.79	150.44	244.92	METALS 40
VOC	490.44	35.34	252.62	959.76	101.22	308.26	1166.62	859.02	208.67	390.08	TPH 60
ALL	189.88	521.06	516.99	1991.03	1605.64	282.29	140.87	1276.51	1649.76	1380.93	VOC 110
											ALL 210
AREA	A3	A2	A1	B2	B1	E1	E2	D	C2	C1	
1	46	69	79	35	1	61	10	316	165	54	
2	2	26	58	122	142	14	31	359	92	9	METALS 3280.00
3	70	44	47	5	143	12	147	70	57	45	TPH 2175.30
4	47	65	65	53	16	64	34	276	117	77	VOC 4772.03
5	75	86	109	62	58		97	352	173	132	ALL 9554.95
6		31	75	31	71		51	155	142	109	
7			114	4	80		173	117	141	115	
8				118	109		80	228	51	194	TOTAL 19782.28
9				108	156		138	357	54	113	
10				139			77	221		12	
11								185			
12								296			
13								195			
14								53			
15								355			
MEAN	1.400	1.167	1.000	0.700	0.778	1.750	0.700	0.467	0.778	0.700	
VARIANCE	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	
NUMBER	0.5	0.5	0.5	0.4	0.4	0.6	0.4	0.4	0.4	0.4	

Note: For lifts B2, C1 and C2, this computer generated grid
 alternate was used to more evenly distribute the grid
 pattern.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-06	
DWG TITLE		SOIL SAMPLE PLAN	
DRW SIZE	SCALE	DATE	DRAWN BY
	1/32"=1'	10/91	BARBOON
TEXTACON Lycemng		CHECKED	
		MANAGER	
650 MAIN STREET, STRATFORD CT 06497		P. J. BOKATYNSKI	
PLANT ENGINEERING		TDR OF PLANT ENR	
		R DENNIS	
		SHEET 1 OF 1 SHEET	
		LOAD POINT	
		DWG NO	
APPROVED	DATE	APPROVED	DATE



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203; 281-6290

Mr. Dennis Babcock

TEXTRON LYCOMING

CT Registration No. PH-0432

550 Main Street

Stratford, Ct 06497

20 JAN 1992

RE: PILE A-1 ANALYSES

This summary report is based on samples collected on 30 January 1992 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 7420
USEPA TCLP 7190

Total Gross Metals: USEPA SW-846 7420
USEPA SW-846 7190

Total Petroleum Hydrocarbons: USEPA 418.1
SW-846 9071

Field Blank (VOC): USEPA 602

VOC's: USEPA 8010
USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.

Attachments: Overall site location map
Individual pile random sample grid
Summary and Statistical Analysis Report
Individual Sample Reports

John Morico
(S. M.)

JOHN MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

February 12, 1992

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497

Dear Dennis:

Enclosed please find the statistical data on Textron samples from piles A-1 and A-3.

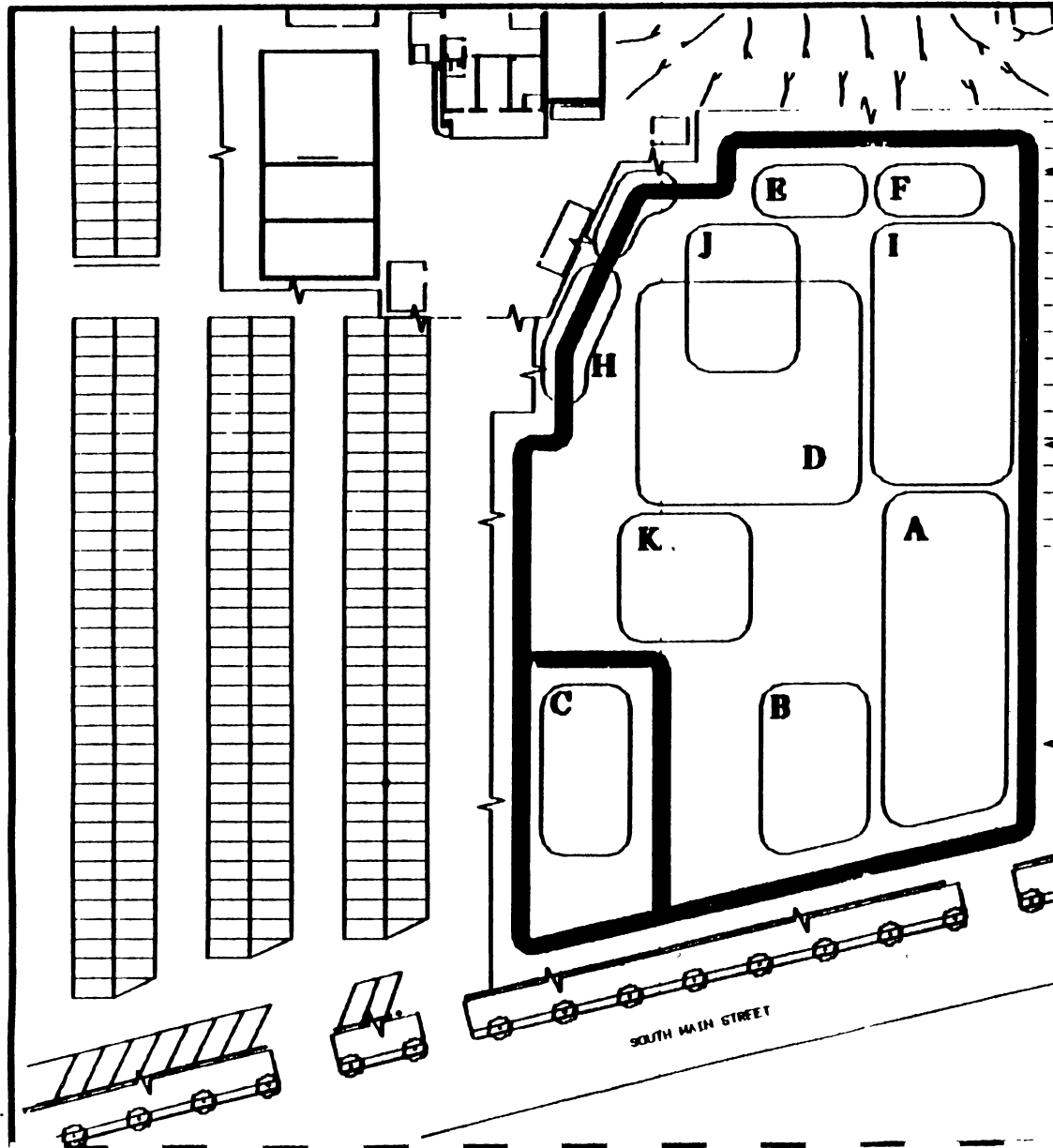
Statistics were computed on metals and TPH from both piles. Since all organic analyses demonstrated levels that were not detected, no statistics are available.

Should you have any questions, or require any further information please feel free to call the laboratory at 248-8760.

Sincerely,

A handwritten signature in cursive script that reads "Barbara E. Bastenbeck".

Barbara E. Bastenbeck
Manager, Business Development



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-05	
DWG TITLE		SOIL SAMPLE PLAN	
DRW SIZE	SCALE	DATE	14/91
TEARON Lyeomg		DRAWN D BARBOEN	
650 MAIN STREET STRAIT (RD) CT 06497		CHECKED	
PLANT ENGINEERING		DESIGNED BY J. HENNING	
		FOR THE PLANT ENR	
		BY DENNIS	
		DATE OF ISSUE	
		FIELD POINT	
APPROVED	DATE	APPROVED	DATE



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CT Registration No. PH-0432

PILE A - 1

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP ARSENIC</u>	<u>TCLP BARIUM</u>	<u>TCLP CADMIUM</u>	<u>TCLP CHROMIUM</u>	<u>TCLP LEAD</u>
MEANS:	< 0.01	0.444	0.015	0.067	0.11
STANDARD DEVIATION:	- - -	0.037	0.021	0.045	0.03
VARIANCE:	- - -	0.001	0.0004	0.002	0.0009
95 % CONFIDENCE INTERVAL	- - -	0.444 +/- 0.026	0.015 +/- 0.015	0.067 +/- 0.032	0.11 +/- 0.02
NUMBER OF SAMPLES COLLECTED	11	11	11	11	11
NUMBER OF SAMPLES ANALYSED	11	11	11	11	11
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL		10	10	8	10
RANGE	- - -	0.13	0.07	0.14	0.07
STUDENT'S t VALUE (95%)	- - -	2.262	2.259	2.248	2.108
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



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FILE A - 1

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	0.004	0.008	0.01	613
STANDARD DEVIATION	0.0126	0.010	0.015	346
VARIANCE	0.00016	0.0001	0.0002	119,716
95 % CONFIDENCE INTERVAL	0.004 +/- 0.009	0.008 +/- 0.007	0.01 +/- 0.01	613 +/- 247
NUMBER OF SAMPLES COLLECTED	11	11	11	11
NUMBER OF SAMPLES ANALYSED	11	11	11	11
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	2	2	6	5
RANGE	0.004	0.02	0.04	936
STUDENT'S t VALUE (95%)	1.255	2.184	3.162	2.257
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



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CT Registration No. PH-0432

PILE A - 1

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====
PO #H346837
=====

RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS



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R/012

CT Registrar No PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES FILE A - 1 FOR TCLP METALS

MERCURY TRACE METALS AVERAGE = < 0.01 mg/L
NO STANDARD DEVIATION
NO VARIANCE
SAMPLE 21226 (GRID - 141) PRESENT
Hg LEVEL OF 0.04 mg/L
DISCARDED

ARSENIC TRACE METALS AVERAGE = < 0.01 mg/L
NO STANDARD DEVIATION
NO VARIANCE

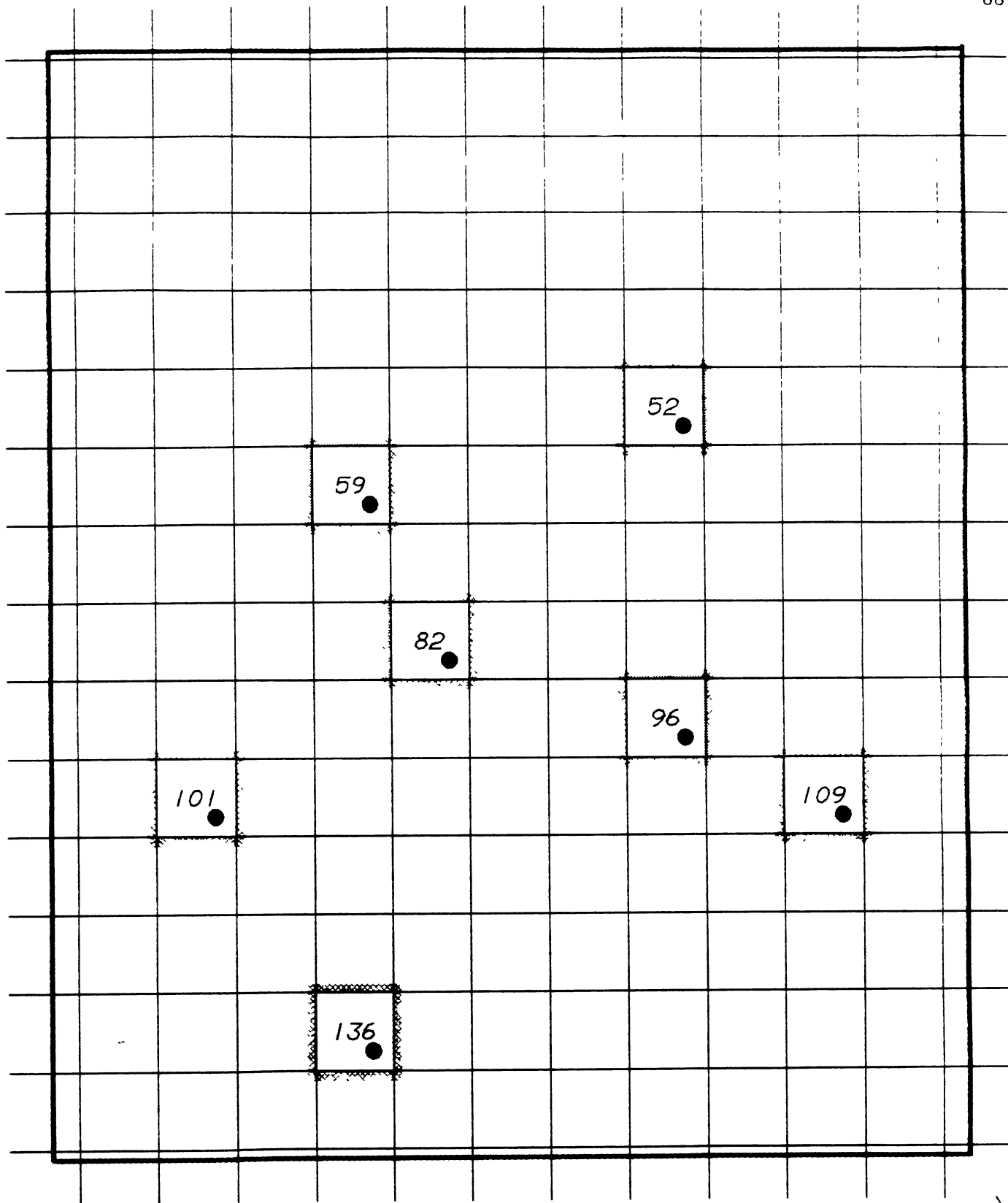
C:\LOTUS\STATA1Hg.WK1

TEXTRON Lycoming

SAMPLE TRACKING CHART

LIFT LETTER **A1**

GRID #	ANALYSIS TYPE					
	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TCLP EXT & METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
13			X	X		
20			X	X		
52			X	X		
59			X	X		
77			X	X		
82			X	X		
96			X	X		
101			X	X		
109			X	X		
136			X	X		
141			X	X		
TOTAL	0	0	11	11	0	0
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST	0	0	3,795	440	0	0
TOTAL COST	4,235					
COLLECTION COST	1,187.50					
TOTAL COST THIS LIFT	5,422.50					



RANDOM SAMPLE GRID PILE A1
128' X 105'
(9' X 9' GRID)

SAMPLE KEY

- METALS
- TPH
- VOC
- ALL



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CT Registration No. PH 0432

TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497
Attn: Dennis Babcock

LABORATORY REPORT

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID A-1
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
REPORT DATE: FEB 06, 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>	
#13 - 21227	184	mg/L
#20 - 21228	1835	mg/L
#52 - 21229	1120	mg/L
#59 - 21242	528	mg/L
#77 - 21230	530	mg/L
#82 - 21231	364	mg/L
#96 - 21232	229	mg/L
#101- 21233	418	mg/L
#109- 21234	1091	mg/L
#136- 21225	670	mg/L
#141- 21226	995	mg/L
* TEST METHOD= USEPA 418.1	ANALYZED 2 /04 /92	

John Morico /JC
John L. Morico, Laboratory Director



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

R/01E

STATISTICAL ANALYSIS OF TEXTRON SAMPLES
FILE A - 1 FOR TPH

SAMPLE ID	TPH CONC mg/L MEAN	STD. DEV	VARIANCE	CALCULATED t VALUE
21225	670	54	0.1	0.14
21226	995	271	0.4	0.71
21227	184	540	0.7	1.41
21228	1835	1111	1.5	2.89 *
21229	1120	396	0.5	1.03
21230	530	194	0.3	0.50
21231	364	360	0.5	0.94
21232	229	495	0.7	1.29
21233	418	306	0.4	0.80
21234	1091	367	0.5	0.95
21242	528	196	0.3	

AVG = 724 471 221645

n = 11

t VALUE = 2.23
(FROM LITERATURE)

RANGE = 1651

CONF. LEVEL = 724 ug/g +/- 316
95%

* t VALUE EXCEEDED

RECALCULATION

AVG = 613 345 119148

n - 1 = 10

RANGE = 936

CONF. LEVEL = 613 ug/g +/- 252
95%



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R/012

CT Registration No. PH-0402

STATISTICAL ANALYSIS OF TEXTRON SAMPLES FILE A - 1 FOR BARIUM

SAMPLE ID	Ba CONC mg/L MEAN	STD. DEV	VARIANCE	CALCULATED t VALUE
21225	0.44	0.00	0.01	0.14
21226	0.46	0.02	0.03	0.54
21227	0.39	0.05	0.14	1.88
21228	0.52	0.08	0.15	2.63 *
21229	0.46	0.02	0.04	0.61
21230	0.47	0.03	0.06	0.90
21231	0.41	0.03	0.08	1.18
21232	0.45	0.01	0.01	0.20
21233	0.43	0.01	0.03	0.49
21234	0.41	0.03	0.08	1.18
AVG =		0.44	0.04	0.06
				6.33 %
n =		10		

t VALUE = 2.26
(FROM LITERATURE)

RANGE = 0.13

CONF. LEVEL = 0.44 mg/L +/- 0.03
95%

* t VALUE EXCEEDED

RECALCULATION

NEW AVG = 0.44 0.02 0.05
5.4 %

n - 1 = 9

NEW RANGE = 0.08

CONF. LEVEL = 0.44 mg/L +/- 0.018
95%



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R/012

CT Registration No. PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES FILE A - 1 FOR CHROMIUM

SAMPLE ID	Cr CONC mg/L MEAN	STD. DEV	VARIANCE	CALCULATED t VALUE
21225	0.01	0.06	0.86	2.12
21226	0.15	0.08	1.05	2.60 *
21227	0.03	0.04	0.59	1.45
21228	0.08	0.01	0.10	0.24
21229	0.10	0.03	0.37	0.91
21230	0.09	0.02	0.23	0.57
21231	0.06	0.01	0.18	0.44
21232	0.08	0.01	0.10	0.24
21233	0.06	0.01	0.18	0.44
21234	0.07	0.00	0.04	0.10

AVG = 0.07 0.04 0.001

n = 10

t VALUE = 2.26
(FROM LITERATURE)

RANGE = 0.12

CONF. LEVEL = 0.07 mg/L +/- 0.03
95%

* t VALUE EXCEEDED

RECALCULATION

AVG = 0.06 0.03

n - 1 = 9

RANGE = 0.07

CONF. LEVEL = 0.06 mg/L +/- 0.02
95%



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CT Registration No. PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES PILE A - 1 FOR CADMIUM

SAMPLE ID	Cd CONC mg/L MEAN	STD. DEV	VARIANCE	CALCULATED t VALUE
21225	0.00	0.02	1.00	0.00
21226	0.01	0.01	0.33	0.00
21227	0.01	0.01	0.33	0.00
21228	0.02	0.01	0.33	0.15
21229	0.02	0.01	0.33	0.21
21230	0.07	0.06	3.67	3.43 *
21231	0.01	0.01	0.33	0.00
21232	0.01	0.01	0.33	0.00
21233	0.00	0.02	1.00	0.00
21234	0.00	0.02	1.00	0.00

AVG = 0.02 0.02 0.87

n = 10

t VALUE = 2.26
(FROM LITERATURE)

RANGE = 0.07

CONF. LEVEL = 0.02 mg/L +/- 0.01
95%

* t VALUE EXCEEDED

RECALCULATION

NEW AVG = 0.01 0.01 0.56

n - 1 = 9

NEW RANGE = 0.02

CONF. LEVEL = 0.01 mg/L +/- 0.006
95%



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CT Registration No. PH-0432

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STATISTICAL ANALYSIS OF TEXTRON SAMPLES FILE A - 1 FOR LEAD

SAMPLE ID	Pb CONC mg/L MEAN	STD. DEV	VARIANCE	CALCULATED t VALUE
21225	0.09	0.02	0.20	1.00
21226	0.09	0.02	0.20	1.00
21227	0.06	0.05	0.47	2.29 *
21228	0.13	0.02	0.15	0.74
21229	0.12	0.01	0.06	0.30
21230	0.15	0.04	0.33	1.60
21231	0.11	0.00	0.03	0.13
21232	0.16	0.05	0.42	2.03
21233	0.12	0.01	0.06	0.30
21234	0.10	0.01	0.12	0.56

AVG = 0.11 0.03 0.25

n = 10

t VALUE = 2.26
(FROM LITERATURE)

RANGE = 0.10

CONF. LEVEL = 0.11 mg/L +/- 0.02
95%

* t VALUE EXCEEDED

RECALCULATION

NEW AVG = 0.12 0.01 0.09

n - 1 = 9

NEW RANGE = 0.06

CONF. LEVEL = 0.12 mg/L +/- 0.01
95%



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CT Registration No. PH-0432

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STATISTICAL ANALYSIS OF TEXTRON SAMPLES
FILE A - 1 FOR SELENIUM

SAMPLE ID	Se CONC mg/L MEAN	STD. DEV	VARIANCE	CALCULATED t VALUE
21225	0.00	0.01	1.00	1.00
21226	0.02	0.01	1.50	1.50
21227	0.00	0.01	1.00	1.00
21228	0.02	0.01	1.50	1.50
21229	0.02	0.01	1.50	1.50
21230	0.00	0.01	1.00	1.00
21231	0.02	0.01	1.50	1.50
21232	0.00	0.01	1.00	1.00
21233	0.00	0.01	1.00	1.00
21234	0.00	0.01	1.00	1.00
AVG =	0.01	0.01	1.20	
n =	10			
t VALUE =	2.26			
(FROM LITERATURE)				
RANGE =	0.02			
CONF. LEVEL =	0.01 mg/L +/-	0.01		
95%				

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CT Registrator No PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES
PILE A - 1 FOR SILVER

SAMPLE ID	Ag CONC mg/L MEAN	STD. DEV	VARIANCE	CALCULATED t VALUE
21225	0.00	0.01	1.00	1.20
21226	0.00	0.01	1.00	1.20
21227	0.00	0.01	1.00	1.20
21228	0.00	0.01	1.00	1.20
21229	0.00	0.01	1.00	1.20
21230	0.00	0.01	1.00	1.20
21231	0.04	0.03	2.84	3.42 *
21232	0.03	0.02	1.64	1.97
21233	0.01	0.00	0.40	0.48
21234	0.02	0.01	1.12	1.35
AVG =	0.01	0.01	1.20	
n =	10			
t VALUE =	2.26			
(FROM LITERATURE)				
RANGE =	0.04			
CONF. LEVEL =	0.01 mg/L +/-	0.01		
95%				
* t VALUE EXCEEDED				
RECALCULATION				
NEW AVG =	0.01	0.01	1.02	
n - 1 =	9			
NEW RANGE =	0.03			
CONF. LEVEL =	0.01 mg/L +/-	0.008		
95%				



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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21225

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 136
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.44 mg/L	200.7	02-01-92
CADMIUM	< 0.01 mg/L	200.7	02-01-92
CHROMIUM	< 0.01 mg/L	200.7	02-01-92
LEAD	0.09 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92

John Morico

JOHN MORICO, DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21225
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 136
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21225

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



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CT Registrar No. PH-0432

LABORATORY REPORT NO.: 21225
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 136
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m, p-XYLENE	ND	2.0

ANALYST:

John Morico / JC
 JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21226

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 141
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	<0.01 mg/L	206.2	02-01-92
BARIUM	0.46 mg/L	200.7	02-01-92
CADMIUM	0.01 mg/L	200.7	02-01-92
CHROMIUM	0.15 mg/L	200.7	02-01-92
LEAD	0.09 mg/L	239.2	02-01-92
MERCURY	0.04 mg/L	245.2	02-01-92
SELENIUM	0.02 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92

John Morico /jc
JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21226
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 141
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: 21226

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21226
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 141
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m, p-XYLENE	ND	2.0

ANALYST:

John L. Morico

JOHN L. MORICO
DIRECTOR



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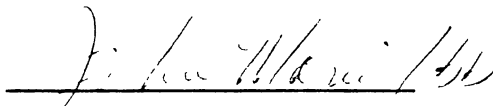
CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21227

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 13
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	<0.01 mg/L	206.2	02-01-92
BARIUM	0.39 mg/L	200.7	02-01-92
CADMIUM	0.01 mg/L	200.7	02-01-92
CHROMIUM	0.03 mg/L	200.7	02-01-92
LEAD	0.06 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92


JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21227
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE #13
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYL VINYL ETHER	ND	2.0
CHLOROFORM	BQL	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21227

<u>PARAMETER</u>	<u>CONCENTRATION (ug/L)</u>	<u>DETECTION LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	BQL	2.0
1,1,1-TRICHLOROETHANE	BQL	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	BQL	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	24	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

John L. Morico
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21227
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 13
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

John L. Morico
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

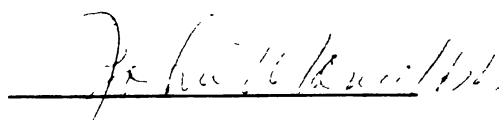
CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21228

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 20
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	<0.01 mg/L	206.2	02-01-92
BARIUM	0.52 mg/L	200.7	02-01-92
CADMIUM	0.02 mg/L	200.7	02-01-92
CHROMIUM	0.08 mg/L	200.7	02-01-92
LEAD	0.13 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	0.02 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92


JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21228
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 20
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYL VINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21228

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21228
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 20
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

John L. Morico

JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21229

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 52
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.46 mg/L	200.7	02-01-92
CADMIUM	0.02 mg/L	200.7	02-01-92
CHROMIUM	0.10 mg/L	200.7	02-01-92
LEAD	0.12 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	0.02 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92

John Morico /JC

JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21229
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 52
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21229

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21229
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 52
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m, p-XYLENE	ND	2.0

ANALYST:

John L. Morico/bb

 JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH 0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21230

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 77

DATE COLLECTED: JAN 30, 1992

TIME\DATE RECEIVED: JAN 30, 1992

SAMPLE PREPARATION: TCLP EXTRACTION

REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.47 mg/L	200.7	02-01-92
CADMIUM	0.07 mg/L	200.7	02-01-92
CHROMIUM	0.09 mg/L	200.7	02-01-92
LEAD	0.15 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92

John Morico / JC
JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21230
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 77
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



Clearwater Analytical Laboratories, Inc.

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CT Registrar No. PH-0432

LABORATORY REPORT NO: 21230

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21230
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 77
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21231

SAMPLE IDENTIFICATION: RANDOM SAMPLE FILE A-1, GRID 82

DATE COLLECTED: JAN 30, 1992

TIME\DATE RECEIVED: JAN 30, 1992

SAMPLE PREPARATION: TCLP EXTRACTION

REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.41 mg/L	200.7	02-01-92
CADMIUM	0.01 mg/L	200.7	02-01-92
CHROMIUM	0.06 mg/L	200.7	02-01-92
LEAD	0.11 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	0.02 mg/L	270.2	02-01-92
SILVER	0.04 mg/L	200.7	02-01-92

John Morico /jc
JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21231
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 82
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO: 21231

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO.: 21231
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 82
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21232

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 96
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.45 mg/L	200.7	02-01-92
CADMIUM	0.01 mg/L	200.7	02-01-92
CHROMIUM	0.08 mg/L	200.7	02-01-92
LEAD	0.16 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	0.03 mg/L	200.7	02-01-92

John Morico /JC
JOHN MORICO, DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21232
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 96
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYL VINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No. PH-0430

LABORATORY REPORT NO: 21232

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO.: 21232
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 96
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT(ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

John L. Morico/bb
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21233

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 101
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.43 mg/L	200.7	02-01-92
CADMIUM	< 0.01 mg/L	200.7	02-01-92
CHROMIUM	0.06 mg/L	200.7	02-01-92
LEAD	0.12 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	0.02 mg/L	200.7	02-01-92

John Morico
JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21233
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 101
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: 21233

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21233
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 101
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21234

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 109
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.41 mg/L	200.7	02-01-92
CADMIUM	< 0.01 mg/L	200.7	02-01-92
CHROMIUM	0.07 mg/L	200.7	02-01-92
LEAD	0.10 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	0.02 mg/L	200.7	02-01-92

John Morico /JC
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21234
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 109
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8010
DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: 21234

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO.: **21234**
 PROJECT: **TEXTRON**
 SAMPLE IDENTIFICATION: **PILE A-1, SAMPLE # 109**
 DATE SAMPLED: **JAN 30, 1992**
 DATE RECEIVED AT LAB: **JAN 30, 1992**
 SAMPLE PREPARATION: **TCLP/ZHE EXTRACTION**
 USEPA TEST METHOD: **8020**
 DATE OF ANALYSIS: **FEB 06, 1992**

<u>PARAMETER</u>	<u>CONCENTRATION (ug/L)</u>	<u>DETECTION LIMIT (ug/L)</u>
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21242

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-1, GRID 59
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.43 mg/L	200.7	02-01-92
CADMIUM	< 0.01 mg/L	200.7	02-01-92
CHROMIUM	0.07 mg/L	200.7	02-01-92
LEAD	0.15 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92

John Morico /jc

JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21242
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-1 SAMPLE # 59
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: 21242

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

John L. Morico/65

 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

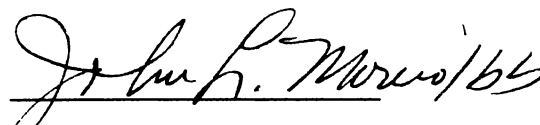
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21242
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: PILE A-1, SAMPLE # 59
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:



 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO.:	LABORATORY BLANK
PROJECT:	TEXTRON
SAMPLE IDENTIFICATION:	BLANK-CAL
DATE SAMPLED:	JAN 30, 1992
DATE RECEIVED AT LAB:	JAN 30, 1992
SAMPLE PREPARATION:	TCLP/ZHE EXTRACTION
USEPA TEST METHOD:	8010
DATE OF ANALYSIS:	FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	ND	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No. PH-0432

LABORATORY REPORT NO: BLANK

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	ND	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.



 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: **LABORATORY BLANK**
 PROJECT: **TEXTRON**
 SAMPLE IDENTIFICATION: **BLANK - CAL**
 DATE SAMPLED: **JAN 30, 1992**
 DATE RECEIVED AT LAB: **JAN 30, 1992**
 SAMPLE PREPARATION: **TCLP/ZHE EXTRACTION**
 USEPA TEST METHOD: **8020**
 DATE OF ANALYSIS: **FEB 06, 1992**

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

John Morico / JC

 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: LABORATORY BLANK
PROJECT: TEXTRON
SAMPLE IDENTIFICATION: BLANK
DATE SAMPLED: JAN 30, 1992
DATE RECEIVED AT LAB: JAN 30, 1992
SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
USEPA TEST METHOD: 8010
DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION (ug/L)</u>	<u>DETECTION LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYL VINYL ETHER	ND	2.0
CHLOROFORM	BQL	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: BLANK

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	24	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

John L. Morico
JOHN L. MORICO
DIRECTOR




Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: LABORATORY BLANK
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: BLANK
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m, p-XYLENE	ND	2.0

ANALYST:


 JOHN L. MORICO
 DIRECTOR



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CT Registration No PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

14 APR 1992

RE: PILE A-2 ANALYSES

This summary report is based on samples collected on 27 February 1992 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 7420
USEPA TCLP 7190

Total Gross Metals: USEPA SW-846 7420
USEPA SW-846 7190

Total Petroleum Hydrocarbons: USEPA 418.1
SW-846 9071

Field Blank (VOC): USEPA 602

VOC's: USEPA 8010
USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.

John Morico
(L.M.)

JOHN MORICO
DIRECTOR



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CT Registration No PH-0432

PILE A - 2

TEST RESULT SUMMARY AND
 STATISTICAL ANALYSIS OF TEST RESULTS
 FOR TEXTRON LYCOMING

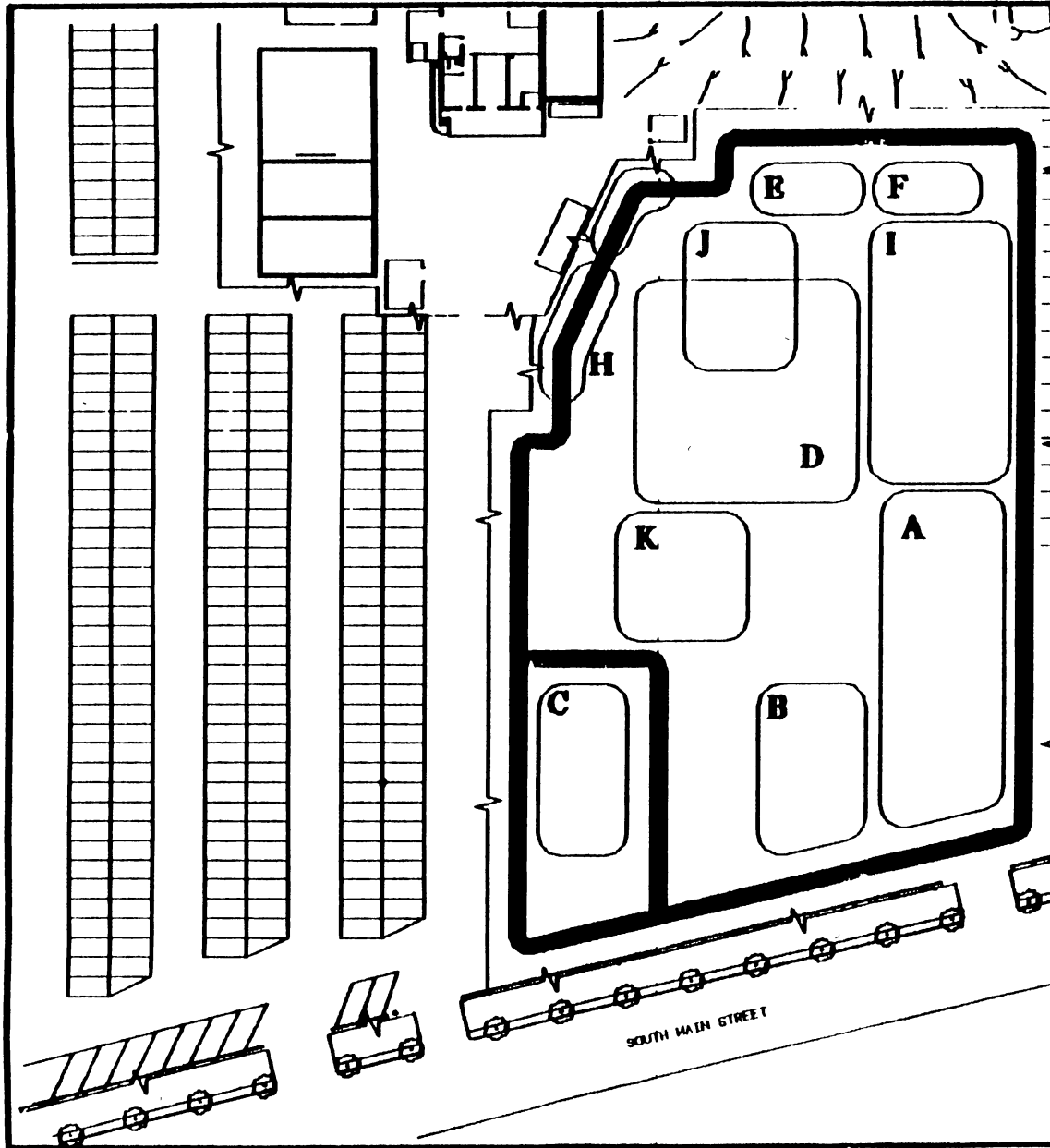
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PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP</u> <u>ARSENIC</u>	<u>TCLP</u> <u>BARIUM</u>	<u>TCLP</u> <u>CADMIUM</u>	<u>TCLP</u> <u>CHROMIUM</u>	<u>TCLP</u> <u>LEAD</u>
MEANS:	< 0.01	0.87	0.004	0.21	0.07
STANDARD DEVIATION:	- - -	0.08	0.005	0.11	0.04
VARIANCE:	- - -	0.01	<0.0005	0.01	<0.01
95 % CONFIDENCE INTERVAL	- - -	0.87 +/- 0.06	0.004 +/- 0.004	0.21 +/- 0.08	0.07 +/- 0.03
NUMBER OF SAMPLES COLLECTED	9	9	9	9	9
NUMBER OF SAMPLES ANALYZED	9	9	9	9	9
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	9	9	9	9
RANGE	0.010	0.20	0.01	0.380	0.15
STUDENT'S t VALUE (95%)	- - -	2.250	2.40	2.182	3.20
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-05	
DWG TITLE		SOIL SAMPLE PLAN	
BY	SCALE	DATE	DRWN
	1/32"=1'	10/91	D BARBOON
TEXTORX		CHECKED	
Lycorning		MANAGER	
650 MAIN STREET STRAIT (RD) CT 06497		J. DONOVAN	
PLANT ENGINEERING		TICER OF PLANT ENR	
		R DENNIS	
		DWG NO	
APPROVED	DATE	APPROVED	DATE



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CT Registration No PH-0432

PILE A - 2

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	<0.00	<0.01	0.01	673
STANDARD DEVIATION	- - -	- - -	0.01	566
VARIANCE	- - -	- - -	<0.01	320,778
95 % CONFIDENCE INTERVAL	- - -	- - -	0.01 +/- 0.008	673 +/- 435
NUMBER OF SAMPLES COLLECTED	9	9	9	9
NUMBER OF SAMPLES ANALYSED	9	9	9	9
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	- - -	9	8
RANGE	- - -	- - -	0.04	1,766
STUDENT'S t VALUE (95%)	- - -	- - -	2.40	3.182
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



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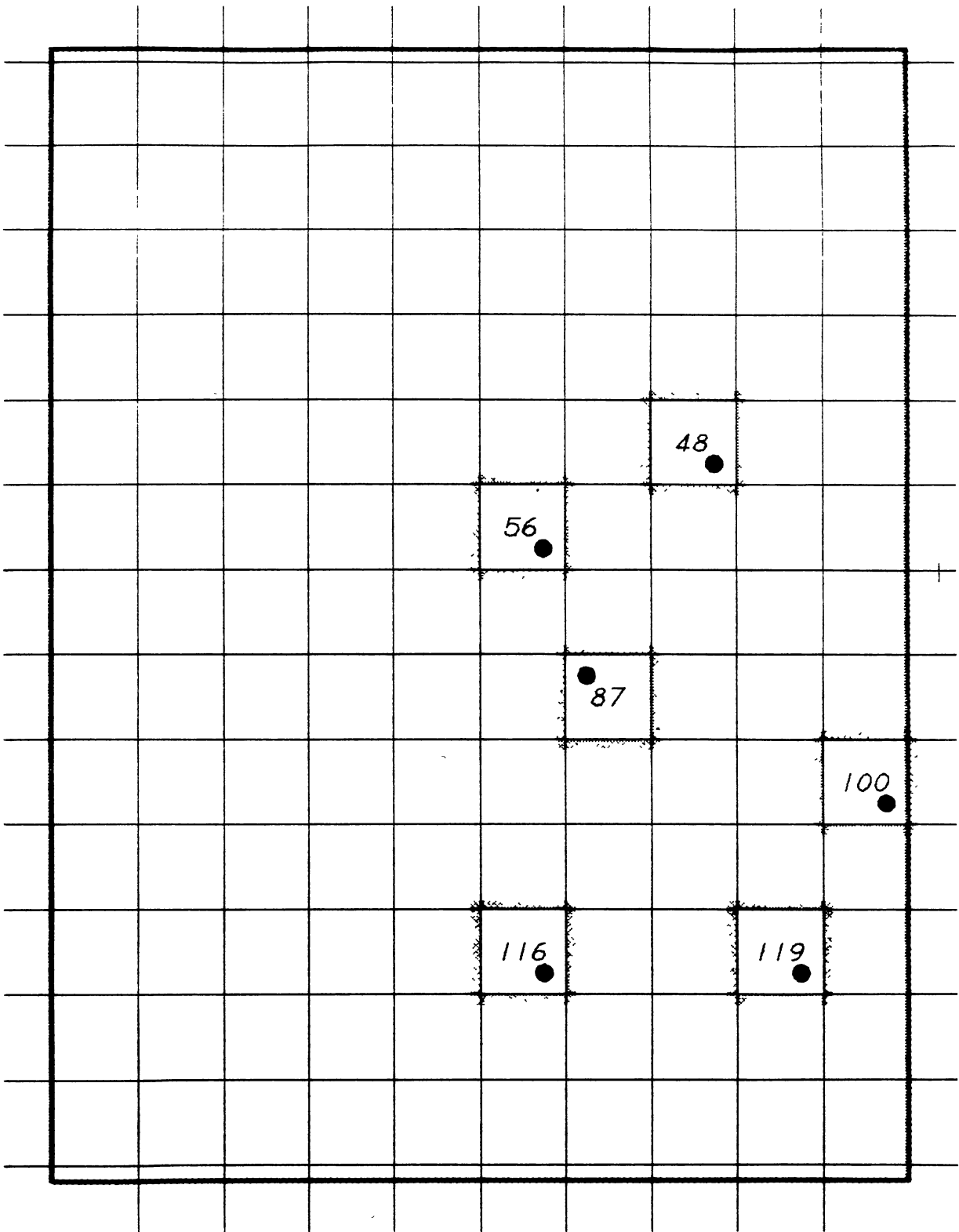
PILE A - 2

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====
PO #H346837
=====

RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS



RANDOM SAMPLE GRID PILE A2
120' X 90'
(9' X 9' GRID)

SAMPLE KEY

METALS
TPH
VOC
ALL

TEXTRON Lycoming SAMPLE TRACKING CHART *LIFT LETTER* **A2**

GRID #	ANALYSIS TYPE					
	TCLP EXT CHROMIUM & LEAD	TCLP EXT 8 METALS	TCLP EXT 8 METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
6	X			X	X	
12	X			X	X	
48			X	X		
58			X	X		
71	X			X	X	
87	X			X	X	
100			X	X		
116			X	X		
119			X	X		
LAB BLANK NONPAYABLE			X	X	X	
TRIP BLANK					X	
TOTAL	4	0	5	9	5	0
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST	340	0	1725	360	650	0
TOTAL COST	3 , 075					
COLLECTION COST	875					
TOTAL COST THIS LIFT	3 , 950					



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CT Registration No PH-0432

TEXTRON LYCOMING

100 West Street
Hamden, Ct 06417
Attn: Dennis Debock

LABORATORY REPORT 21367-21376

SAMPLE IDENTIFICATION: HAMMUM SAMPLE GRID 6-2
DATE COLLECTED: FEB 27, 1992
TIME DATE RECEIVED: FEB 27, 1992
REPORT DATE: MAR 05, 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>	<u>ANALYSIS DATE OF</u>
# 1 21367	240 mg/L	03-02-92 PM
# 11 21368	256 mg/L	03-02-92 PM
# 42 21369	484 mg/L	03-02-92 PM
# 56 21370	632 mg/L	03-02-92 PM
# 71 21371	144 mg/L	03-02-92 PM
# 87 21372	680 mg/L	03-02-92 PM
# 100 21373	244 mg/L	03-04-92 PM
# 116 21374	1410 mg/L	03-04-92 PM
# 119 21375	1910 mg/L	03-04-92 PM

* TEST METHOD= USEPA 418.1/9071

ALL SAMPLES FROM GRID FILE 6-2 WILL BE STORED IN THE LAB
UNTIL 30 DAYS FROM REPORT DATE

John Morico
(S. 742)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21376-LB

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, # ZHE-TCLP LAB BLANK
LAB DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	<0.01 mg/L	206.2	03-09-92
BARIUM	0.09 mg/L	200.7	03-09-92
CADMIUM	<0.01 mg/L	200.7	03-09-92
CHROMIUM	<0.01 mg/L	200.7	03-09-92
LEAD	<0.01 mg/L	239.2	03-09-92
MERCURY	<0.01 mg/L	245.2	03-09-92
SELENIUM	<0.01 mg/L	270.2	03-09-92
SILVER	0.01 mg/L	200.7	03-09-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO. : 21376-LB
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: LABRATORY BLANK
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21376-LB

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(John L. Morico)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21376-LB
PROJECT: PILE A-2
SAMPLE IDENTIFICATION: LABRATORY BLANK
DATE SAMPLED: FEBRUARY 27, 1992
DATE RECEIVED AT LAB: FEBRUARY 27, 1992
SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21376
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: TRIP BLANK
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21376

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21376
 PROJECT: PILE A-2
 SAMPLE IDENTIFICATION: TRIP BLANK
 DATE SAMPLED: FEBRUARY 27, 1992
 DATE RECEIVED AT LAB: FEBRUARY 27, 1992
 SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 JOHN L. MORICO
 DIRECTOR



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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21375

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, GRID # 119
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	<0.01 mg/L	206.2	03-09-92
BARIUM	0.91 mg/L	200.7	03-09-92
CADMIUM	<0.01 mg/L	200.7	03-09-92
CHROMIUM	0.10 mg/L	200.7	03-09-92
LEAD	0.05 mg/L	239.2	03-09-92
MERCURY	<0.01 mg/L	245.2	03-09-92
SELENIUM	<0.01 mg/L	270.2	03-09-92
SILVER	0.04 mg/L	200.7	03-09-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21375
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: GRID #119
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	2.66	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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LABORATORY REPORT NO: 21375 CT Registration No PH-0432

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
2-CHLOROTOLUENE.....	9.52	2.00
4-CHLOROTOLUENE	2.64	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
F.A.M.

JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21375
 PROJECT: PILE A-2
 SAMPLE IDENTIFICATION: GRID #119
 DATE SAMPLED: FEBRUARY 27, 1992
 DATE RECEIVED AT LAB: FEBRUARY 27, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	6.68	2.00
1,3-DICHLOROBENZENE	2.79	2.00
1,4-DICHLOROBENZENE	2.10	2.00
ETHYL BENZENE	5.99	2.00
METHYL BENZENE (TOLUENE)	3.86	2.00
o-XYLENE	2.72	2.00
m,p-XYLENE	2.53	2.00

ANALYST: F.A.M.

John L. Morico
 JOHN L. MORICO
 DIRECTOR



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CT Registration No PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21374

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, GRID # 116
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	0.01 mg/L	206.2	03-09-92
BARIUM	1.00 mg/L	200.7	03-09-92
CADMIUM	0.01 mg/L	200.7	03-09-92
CHROMIUM	0.33 mg/L	200.7	03-09-92
LEAD	0.18 mg/L	239.2	03-09-92
MERCURY	<0.01 mg/L	245.2	03-09-92
SELENIUM	<0.01 mg/L	270.2	03-09-92
SILVER	0.02 mg/L	200.7	03-09-92

John Morico
JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO. : 21374
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: Grid # 116
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	6.17	2.00
1,4-DICHLOROBENZENE	4.83	2.00
1,2-DICHLOROBENZENE	11.02	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	2.69	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21374

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
2-CHLOROTOLUENE	9.74	2.00
4-CHLOROTOLUENE	4.94	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPANE	BDL	2.00

ANALYST: F.A.M.

John L. Moricc
(S. 79.1)
JOHN L. MORICC
DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21374
PROJECT: PILE A-2
SAMPLE IDENTIFICATION: GRID #116
DATE SAMPLED: FEBRUARY 27, 1992
DATE RECEIVED AT LAB: FEBRUARY 27, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	11.02	2.00
1,3-DICHLOROBENZENE	6.17	2.00
1,4-DICHLOROBENZENE	4.83	2.00
ETHYL BENZENE	7.61	2.00
METHYL BENZENE (TOLUENE)	6.19	2.00
o-XYLENE	2.66	2.00
m,p-XYLENE	2.82	2.00

ANALYST: F.A.M.

John L. Morico
(S.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21373

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, GRID # 100
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	TEST METHOD	USEPA TEST METHOD	DATE ANALYZED
TCLP:				
ARSENIC	<0.01 mg/L	206.2	206.2	03-09-92
BARIUM	0.86 mg/L	200.7	200.7	03-09-92
CADMIUM	0.01 mg/L	200.7	200.7	03-09-92
CHROMIUM	0.17 mg/L	200.7	200.7	03-09-92
LEAD	0.04 mg/L	239.2	239.2	03-09-92
MERCURY	<0.01 mg/L	245.2	245.2	03-09-92
SELENIUM	<0.01 mg/L	270.2	270.2	03-09-92
SILVER	<0.01 mg/L	200.7	200.7	03-09-92

John Morico
(S. M.)
JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO. : 21373
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: Grid # 100
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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C: Registration No PH-0432

LABORATORY REPORT NO: 21373

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21373
 PROJECT: PILE A-2
 SAMPLE IDENTIFICATION: GRID #100
 DATE SAMPLED: FEBRUARY 27, 1992
 DATE RECEIVED AT LAB: FEBRUARY 27, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	3.16	2.00
o-XYLENE	2.28	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 (F.A.M.)
 JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21372

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, GRID # 87
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
CHROMIUM	0.48 mg/L	200.7	03-09-92/FAM
LEAD	0.03 mg/L	239.2	03-09-92/FAM

John Morico
(J.M.)
JOHN MORICO,
DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21372
PROJECT: PILE A-2
CUSTOMER SAMPLE DESCRIPTION: Grid # 87
DATE SAMPLED: Feb 27, 1992.
DATE RECEIVED AT LAB: Feb 27, 1992.
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: March 8, 1992.
REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21372

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
2-CHLOROTOLUENE	BDL	2.00
4-CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21372
PROJECT: PILE A-2
SAMPLE IDENTIFICATION: GRID # 87
DATE SAMPLED: FEBRUARY 27, 1992
DATE RECEIVED AT LAB: FEBRUARY 27, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	2.66	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21371

SAMPLE IDENTIFICATION: RANDOM SAMPLE FILE A-2 GRID # 71
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
CHROMIUM	0.22 mg/L	200.7	03-09-92
LEAD	0.05 mg/L	239.2	03-09-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



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CT Registrator . . . PH-0432

LABORATORY REPORT NO. : 21371
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: Grid # 71
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
CAT-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21371

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
2-CHLOROTOLUENE	BDL	2.00
4-CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0402

LABORATORY REPORT NO.: 21371
PROJECT: PILE A-2
SAMPLE IDENTIFICATION: GRID # 71
DATE SAMPLED: FEBRUARY 27, 1992
DATE RECEIVED AT LAB: FEBRUARY 27, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	3.18	2.00
O-XYLENE	BDL	2.00
m,p-XYLENE	3.00	2.00

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21370

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, GRID # 56
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	<0.01 mg/L	206.2	03-09-92
BARIUM	0.80 mg/L	200.7	03-09-92
CADMIUM	<0.01 mg/L	200.7	03-09-92
CHROMIUM	0.17 mg/L	200.7	03-09-92
LEAD	0.07 mg/L	239.2	03-09-92
MERCURY	<0.01 mg/L	245.2	03-09-92
SELENIUM	<0.01 mg/L	270.2	03-09-92
SILVER	<0.01 mg/L	200.7	03-09-92

John Morico
John Morico (S.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO. : 21370
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #56
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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LABORATORY REPORT NO: 21370^T Registration No PH-0432

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
2-CHLOROTOLUENE	BDL	2.00
4-CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 JOHN L. MORICO
 DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21370
PROJECT: PILE A-2
SAMPLE IDENTIFICATION: GRID # 56
DATE SAMPLED: FEBRUARY 27, 1992
DATE RECEIVED AT LAB: FEBRUARY 27, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	EDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m, p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21369

SAMPLE IDENTIFICATION: RANDOM SAMPLE FILE A-2, GRID # 48
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	<0.01 mg/L	206.2	03-09-92
BARIUM	0.79 mg/L	200.7	03-09-92
CADMIUM	<0.01 mg/L	200.7	03-09-92
CHROMIUM	0.12 mg/L	200.7	03-09-92
LEAD	0.05 mg/L	239.2	03-09-92
MERCURY	<0.01 mg/L	245.2	03-09-92
SELENIUM	<0.01 mg/L	270.2	03-09-92
SILVER	0.01 mg/L	200.7	03-09-92

John Morico
(S.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO. : 21369
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #48
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21369

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
2-CHLOROTOLUENE	BDL	2.00
4-CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21369
PROJECT: PILE A-2
SAMPLE IDENTIFICATION: GRID # 48
DATE SAMPLED: FEBRUARY 27, 1992
DATE RECEIVED AT LAB: FEBRUARY 27, 1992
SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
O-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21368

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, GRID # 12
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
CHROMIUM	0.14 mg/L	200.7	03-09-92
LEAD	0.05 mg/L	239.2	03-09-92

John Morico

(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO. : 21368
PROJECT: PILE A-2
CUSTOMER SAMPLE DESCRIPTION: GRID #12
DATE SAMPLED: Feb 27, 1992.
DATE RECEIVED AT LAB: Feb 27, 1992.
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: March 8, 1992.
REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21368

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO.: 21368
 PROJECT: PILE A-2
 SAMPLE IDENTIFICATION: GRID #12
 DATE SAMPLED: FEBRUARY 27, 1992
 DATE RECEIVED AT LAB: FEBRUARY 27, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 (L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21367

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-2, GRID # 6
DATE COLLECTED: FEB 27, 1992
TIME\DATE RECEIVED: FEB 27, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR. 11, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
CHROMIUM	0.16 mg/L	200.7	03-09-92
LEAD	0.09 mg/L	239.2	03-09-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21367
 PROJECT: PILE A-2
 CUSTOMER SAMPLE DESCRIPTION: GRID #6
 DATE SAMPLED: Feb 27, 1992.
 DATE RECEIVED AT LAB: Feb 27, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 8, 1992.
 REPORT DATE: March 25, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO: 21367

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico

 J.L.M.
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21367
PROJECT: PILE A-2
SAMPLE IDENTIFICATION: GRID #6
DATE SAMPLED: FEBRUARY 27, 1992
DATE RECEIVED AT LAB: FEBRUARY 27, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 8, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	4.00	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(A. 74.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

20 JAN 1992

RE: PILE A-3 ANALYSES

This summary report is based on samples collected on 30 January 1992 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 7420
USEPA TCLP 7190

Total Gross Metals: USEPA SW-846 7420
USEPA SW-846 7190

Total Petroleum Hydrocarbons: USEPA 418.1
SW-846 9071

Field Blank (VOC): USEPA 602

VOC's: USEPA 8010
USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.

Attachments: Overall site location map
Individual pile random sample grid
Summary and Statistical Analysis Report
Individual Sample Reports

John Morico
J.M.
JOHN MORICO



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

February 12, 1992

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497

Dear Dennis:

Enclosed please find the statistical data on Textron samples from piles A-1 and A-3.

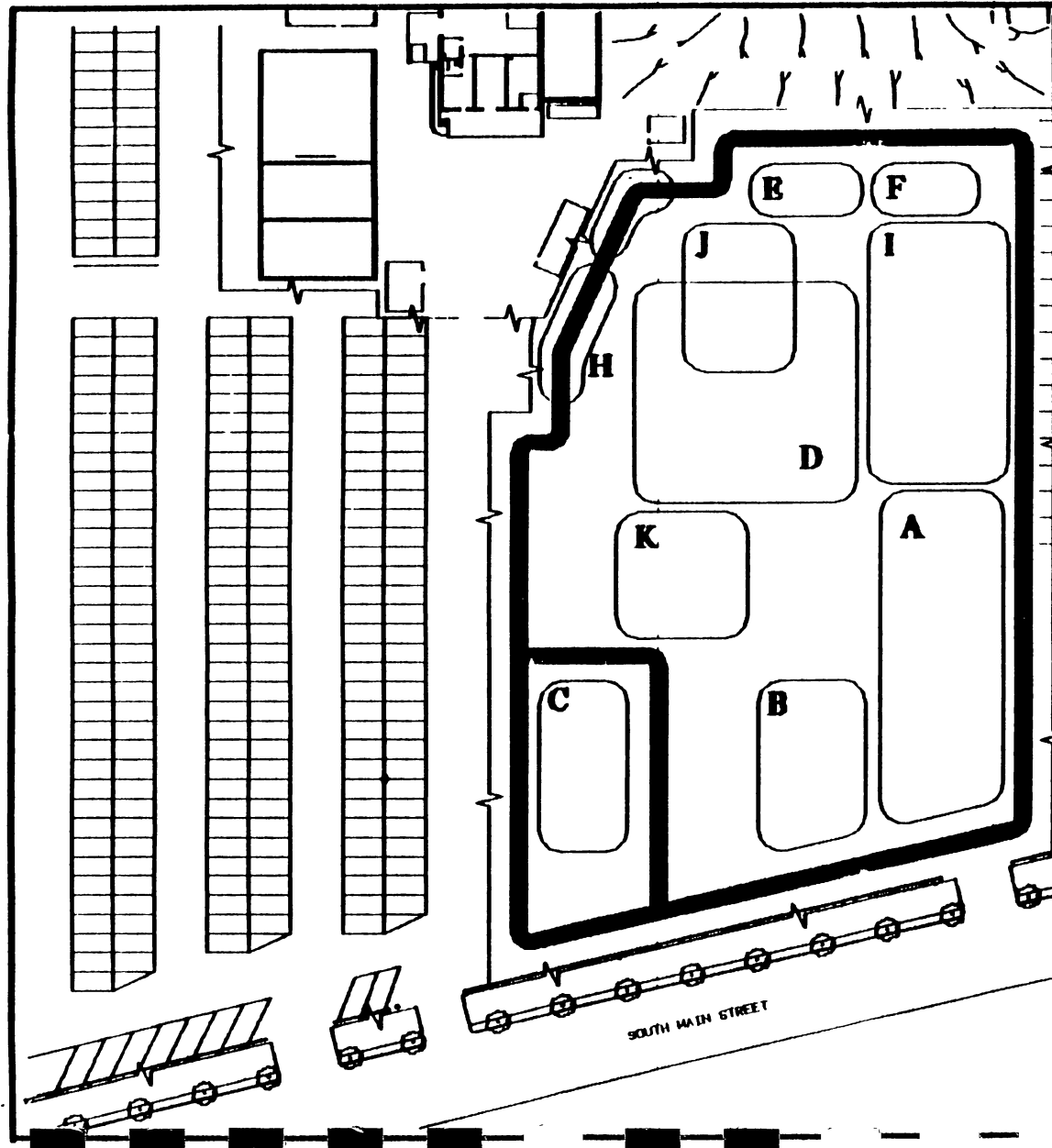
Statistics were computed on metals and TPH from both piles. Since all organic analyses demonstrated levels that were not detected, no statistics are available.

Should you have any questions, or require any further information please feel free to call the laboratory at 248-8760.

Sincerely,

A handwritten signature in cursive script, reading 'Barbara E. Bastenbeck'. The signature is fluid and somewhat stylized, with a large initial 'B'.

Barbara E. Bastenbeck
Manager, Business Development



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE	BUILDING-02			DRAWN	D BARBOON
DWG TITLE	SOIL SAMPLE PLAN			CHECKED	
SHT SIZE	SCALE	1/32"=1'	DATE	10/91	MANAGER
	TEXTORX Lyeomng			J BOKRYANBUD	
	0250 MAIN STREET STRAIT ORD CT 06497			TITLE OF PLANT ENR	R DENNIS
PLANT ENGINEERING				SHT 1 OF 1 SH 0	LOAD POINT
APPROVED	DATE	APPROVED	DATE	DWG NO	



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

FILE A - 3

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

PO #H346837
ALL UNITS ARE MILLIGRAM PER LITER

	TCLP <u>CHROMIUM</u>	TCLP <u>LEAD</u>
MEANS:	0.056	0.147
STANDARD DEVIATION:	0.011	0.093
VARIANCE	0.0001	0.009
95 % CONFIDENCE INTERVAL	0.056 +/- 0.01	0.147 +/- 0.086
NUMBER OF SAMPLES COLLECTED	7	7
NUMBER OF SAMPLES ANALYSED	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7	7
RANGE	0.03	0.23
STUDENT'S t VALUE (95%)	2.405	2.447
TCLP FEDERAL LIMIT	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC



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CT Registration No PH-0432

PILE A - 3

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	TOTAL PETROLEUM HYDROCARBONS
MEANS	420
STANDARD DEVIATION	91
VARIANCE	8,241
95 % CONFIDENCE INTERVAL	420 +/- 145
NUMBER OF SAMPLES COLLECTED	7
NUMBER OF SAMPLES ANALYSED	5
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	4
RANGE	368
STUDENT'S t VALUE (95%)	3.182
TCLP FEDERAL LIMIT	---
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON HAZARDOUS



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CT Registration No PH-0432

PILE A - 3

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====
PO #H346837
=====

RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS



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CT Registration No PH-0432

R/012

STATISTICAL ANALYSIS OF TEXTRON SAMPLES
FILE A - 3 FOR TPH

SAMPLE ID	TPH CONC mg/L MEAN	DEVIATION	VARIANCE	CALCULATED t VALUE
21235	460	91	0.2	0.89
21236	340	29	0.1	0.28
21237	530	161	0.4	1.58
21239	162	207	0.6	2.03
21240	352	17	0.0	0.16
AVG =	369	125	15636	
n =	5			
t VALUE = (FROM LITERATURE)	2.26			
RANGE =	368			
CONF. LEVEL = 95%	369 mg/L +/-	126		

C:\LOTUS\STTA3TPH.WK1



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CT Registration No PH-0432

R/012

STATISTICAL ANALYSIS OF TEXTRON SAMPLES PILE A - 3 FOR LEAD

SAMPLE ID	Pb CONC mg/L MEAN	DEVIATION	VARIANCE	CALCULATED t VALUE
21235	0.10	0.05	0.31	0.68
21236	0.13	0.02	0.12	0.26
21237	0.09	0.06	0.38	0.85
21238	0.32	0.17	1.18	2.64 *
21239	0.08	0.07	0.45	1.00
21241	0.08	0.07	0.49	1.11
21240	0.23	0.08	0.55	1.24
21242	0.15	0.00	0.01	0.03

AVG = 0.15 0.08 0.01
1.3%

n = 8

t VALUE = 2.26
(FROM LITERATURE)

RANGE = 0.24

CONF. LEVEL = 0.15 mg/L +/- 0.06
95%

* t VALUE EXCEEDED

RECALCULATION

AVG = 0.12 0.05 0.00
0 %

n - 1 = 7

RANGE = 0.15

CONF. LEVEL = 0.12 mg/L +/- 0.05
95%



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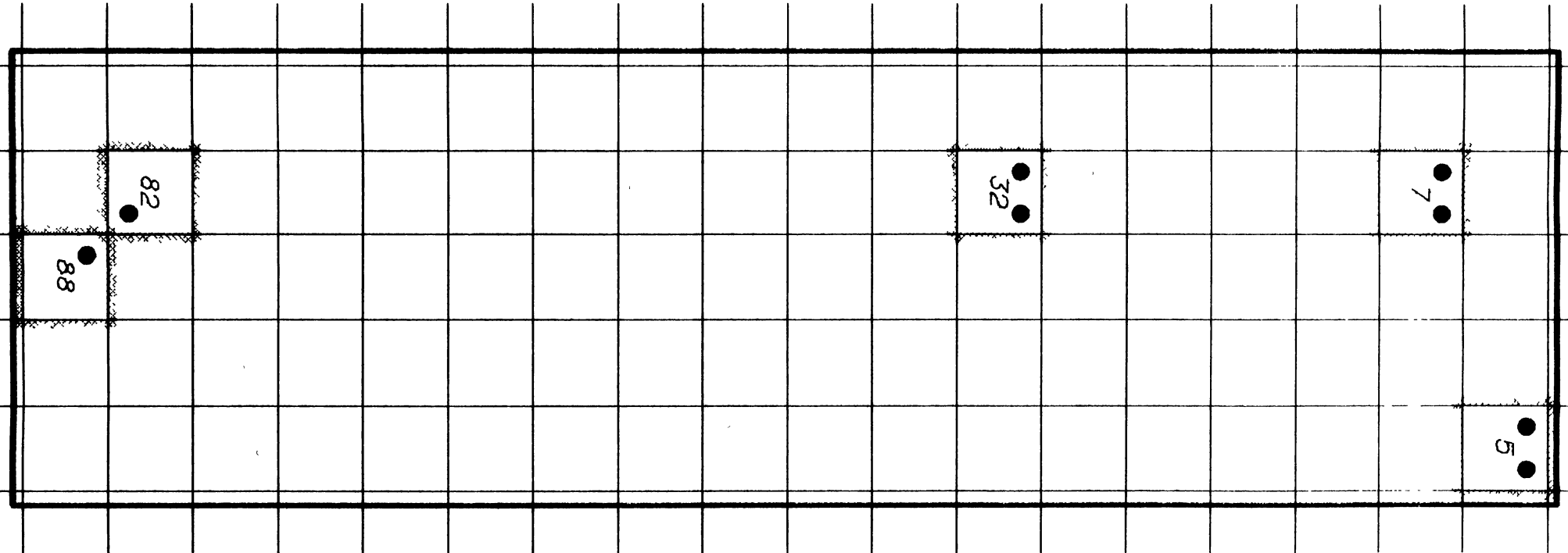
R/012

CT Registration No PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES
PILE A - 3 FOR CHROMIUM

SAMPLE ID	Pb CONC mg/L MEAN	DEVIATION	VARIANCE	CALCULATED t VALUE
21235	0.05	0.01	0.13	0.84
21236	0.07	0.01	0.22	1.41
21237	0.06	0.00	0.04	0.28
21238	0.05	0.01	0.13	0.84
21239	0.05	0.01	0.13	0.84
21240	0.07	0.01	0.22	1.41
21241	0.04	0.02	0.30	1.97
21242	0.07	0.01	0.22	1.41
AVG =	0.06	0.01	0.00	
			0.01 %	
n =	10			
t VALUE =	2.26			
(FROM LITERATURE)				
RANGE =	0.03			
CONF. LEVEL =	0.06 mg/L +/-	0.01		
95%				

C:\LOTUS\STATA3Cr.WK1



RANDOM SAMPLE GRID PILE A3
 164' X 48'
 (9' X 9' GRID)

SAMPLE KEY ● ●
 METALS
 TPH
 ● ●
 VOC
 ALL

TEXTRON Lycoming SAMPLE TRACKING CHART

-208-
LIFT
LETTER **A3**

GRID #	ANALYSIS TYPE					
	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TCLP EXT & METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
5	X			X		
7	X			X	X	
32	X			X		
48	X				X	
63	X			X		
82			X	X		
88	X					
TOTAL	6	0	1	5	2	0
COST PER SAMPLE	85 00	145 00	345 00	40.00	130 00	250 00
SUB TOTAL COST	510	0	345	200	400	0
TOTAL COST	1,455					
COLLECTION COST	687.50					
TOTAL COST THIS LIFT	2,142.50					



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CT Registration No. PH-0432

TEXTRON LYCOMING
570 Main Street
Stratford, Ct 06497

Attn: Dennis Babcock

LABORATORY REPORT

SAMPLE IDENTIFICATION RANDOM SAMPLE PILE A-3
DATE COLLECTED JAN 30, 1992
TIME/DATE RECEIVED 5 pm JAN 30, 1992
REPORT DATE FEB 7, 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM</u>	<u>HYDROCARBON</u>
# 5 - 21255	460	mg/L
# 7 - 21236	340	mg/L
# 32 - 21237	530	mg/L
# 63 - 21239	162	mg/L
# 82 - 21240	352	mg/L

* TEST METHOD= USEPA 413.1 ANALYZED 2/04/92

John L. Morico/bb
John L. Morico, Laboratory Director



Clearwater Analytical Laboratories, Inc.

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CT Registrar No PH-0432

LABORATORY REPORT NO.: 21236
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-3 SAMPLE # 7
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION (ug/L)</u>	<u>DETECTION LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYL VINYL ETHER	ND	2.0
CHLOROFORM	BQL	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: 21236

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	BQL	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	BQL	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	29	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

John L. Morico

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO.: 21236
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-3, SAMPLE # 7
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:

John L. Morico

 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21238
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-3 SAMPLE # 49
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	BQL	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: 21238

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	ND	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	22	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

John L. Morico
JOHN L. MORICO
DIRECTOR



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CT Registrar No PH-0432

LABORATORY REPORT NO.: **21238**
 PROJECT: **TEXTRON**
 SAMPLE IDENTIFICATION: **PILE A-3, SAMPLE # 49**
 DATE SAMPLED: **JAN 30, 1992**
 DATE RECEIVED AT LAB: **JAN 30, 1992**
 SAMPLE PREPARATION: **TCLP/ZHE EXTRACTION**
 USEPA TEST METHOD: **8020**
 DATE OF ANALYSIS: **FEB 06, 1992**

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:


 JOHN L. MORICO
 DIRECTOR



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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21240

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE A-3, GRID 82
DATE COLLECTED: JAN 30, 1992
TIME\DATE RECEIVED: JAN 30, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	02-01-92
BARIUM	0.44 mg/L	200.7	02-01-92
CADMIUM	< 0.01 mg/L	200.7	02-01-92
CHROMIUM	0.07 mg/L	200.7	02-01-92
LEAD	0.23 mg/L	239.2	02-01-92
MERCURY	< 0.01 mg/L	245.2	02-01-92
SELENIUM	< 0.01 mg/L	270.2	02-01-92
SILVER	< 0.01 mg/L	200.7	02-01-92

John Morico /jc
JOHN MORICO, DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21240
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-3 SAMPLE #82
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8010
 DATE OF ANALYSIS: FEB 06, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	ND	2.0
BROMOFORM	ND	2.0
BROMOMETHANE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0
CHLOROBENZENE	ND	2.0
CHLOROETHANE	ND	2.0
2-CHLOROETHYLVINYL ETHER	ND	2.0
CHLOROFORM	BQL	2.0
CHLOROMETHANE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0
1,1-DICHLOROETHENE	ND	2.0
TRANS-1,2-DICHLOROETHENE	ND	2.0
TRANS-1,3-DICHLOROPROPENE	ND	2.0



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CT Registration No PH-0432

LABORATORY REPORT NO: 21240

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	ND	2.0
1,1,1,2-TETRACHLOROETHANE	ND	2.0
TETRACHLOROETHENE	ND	2.0
1,1,1-TRICHLOROETHANE	ND	2.0
1,1,2-TRICHLOROETHANE	ND	2.0
TRICHLOROETHENE	BQL	2.0
TRICHLOROFLUOROMETHANE	ND	2.0
VINYL CHLORIDE	ND	2.0
BENZYL CHLORIDE	ND	2.0
BROMOBENZENE	ND	2.0
1-CHLOROHEXANE	ND	2.0
CHLOROMETHYL METHYL ETHER	ND	2.0
CHLOROTOLUENE	ND	2.0
DIBROMOMETHANE	ND	2.0
DICHLORODIFLUOROMETHANE	ND	2.0
DICHLOROMETHANE	27	2.0
1,2-DICHLOROPROPANE	ND	2.0
1,2,3-TRICHLOROPROPANE	ND	2.0

ANALYST: F.A.M.

John L. Morico

 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

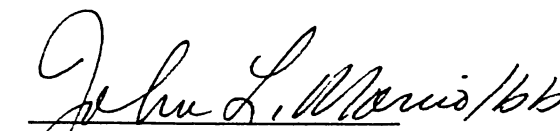
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21240
 PROJECT: TEXTRON
 SAMPLE IDENTIFICATION: PILE A-3, SAMPLE # 82
 DATE SAMPLED: JAN 30, 1992
 DATE RECEIVED AT LAB: JAN 30, 1992
 SAMPLE PREPARATION: TCLP/ZHE EXTRACTION
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: FEB 06, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	ND	2.0
CHLOROBENZENE	ND	2.0
1,2-DICHLOROBENZENE	ND	2.0
1,3-DICHLOROBENZENE	ND	2.0
1,4-DICHLOROBENZENE	ND	2.0
ETHYL BENZENE	ND	2.0
METHYL BENZENE (TOLUENE)	ND	2.0
o-XYLENE	ND	2.0
m,p-XYLENE	ND	2.0

ANALYST:



 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

TEXTRON LYCOMING

5th Floor, Hartford
 5th Floor, Hartford, CT 06103
 (203) 281-6290

LABORATORY REPORT NO. 21235-39 21241

PERMITS: 1. PERMIT TO TEST FOR PERMITS: 1. PERMIT TO TEST FOR PERMITS: 1. PERMIT TO TEST FOR PERMITS: 1.
 2. PERMIT TO TEST FOR PERMITS: 2. PERMIT TO TEST FOR PERMITS: 2. PERMIT TO TEST FOR PERMITS: 2.
 3. PERMIT TO TEST FOR PERMITS: 3. PERMIT TO TEST FOR PERMITS: 3. PERMIT TO TEST FOR PERMITS: 3.
 4. PERMIT TO TEST FOR PERMITS: 4. PERMIT TO TEST FOR PERMITS: 4. PERMIT TO TEST FOR PERMITS: 4.
 5. PERMIT TO TEST FOR PERMITS: 5. PERMIT TO TEST FOR PERMITS: 5. PERMIT TO TEST FOR PERMITS: 5.

<u>Sample No.</u>	<u>Quantity</u>	<u>Unit</u>	<u>Concentration</u>
# 101	0.10	mg/L	1.00
# 102	0.10	mg/L	1.00
# 103	0.10	mg/L	1.00
# 104	0.10	mg/L	1.00
# 105	0.10	mg/L	1.00
# 106	0.10	mg/L	1.00
# 107	0.10	mg/L	1.00
# 108	0.10	mg/L	1.00

* TEST METHOD = USEPA TOC 170 ANALYSED 01-10-92
 * TEST METHOD = USEPA TOC 170 ANALYSED 01-10-92

John Morris/bb
 Laboratory Director

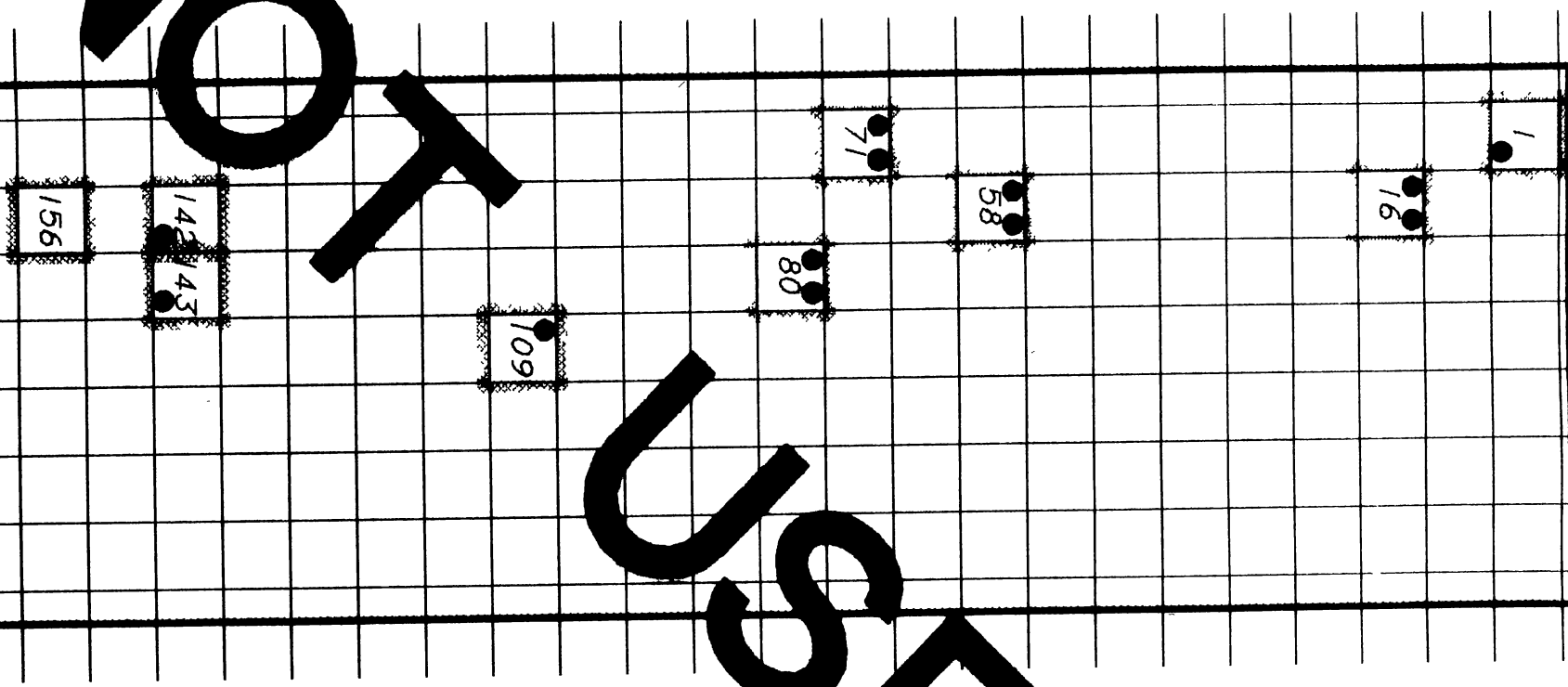
NOT

USED

RANDOM SAMPLE GRID PILE B1
164' X 48'
(6' X 6' GRID)

SAMPLE
KEY

VOC ● ●
ALL ● ●
METALS
TPH





Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

14 APR 1992

RE: PILE B-2 ANALYSES

This summary report is based on samples collected on 21 February 1992 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 7420
USEPA TCLP 7190

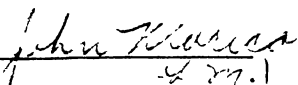
Total Gross Metals: USEPA SW-846 7420
USEPA SW-846 7190

Total Petroleum Hydrocarbons: USEPA 418.1
SW-846 9071

Field Blank (VOC): USEPA 602

VOC's: USEPA 8010
USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.



JOHN MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
 6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432
PILE B - 2

TEST RESULT SUMMARY AND
 STATISTICAL ANALYSIS OF TEST RESULTS
 FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	TCLP ARSENIC	TCLP BARIUM	TCLP CADMIUM	TCLP CHROMIUM	TCLP LEAD
MEANS:	< 0.01	0.73	0.004	0.16	0.27
STANDARD DEVIATION:	- - -	0.28	0.005	0.08	0.33
VARIANCE:	- - -	0.08	<0.0005	0.01	0.11
95 % CONFIDENCE INTERVAL	- - -	0.73 +/- 0.26	0.004 +/- 0.005	0.16 +/- 0.07	0.27 +/- 0.31
NUMBER OF SAMPLES COLLECTED	12	12	12	12	12
NUMBER OF SAMPLES ANALYZED	7	7	7	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	7	7	7	7
RANGE	- - -	0.89	0.03	0.260	1.02
STUDENT'S t VALUE (95%)	- - -	2.457	2.646	2.315	2.486
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



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CT Registration No. PH-0432

PILE B - 2

TEST RESULT SUMMARY AND
 STATISTICAL ANALYSIS OF TEST RESULTS
 FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	<0.01	<0.00	0.02	670
STANDARD DEVIATION	- - -	- - -	0.01	294
VARIANCE	- - -	- - -	<0.01	86,631
95 % CONFIDENCE INTERVAL	- - -	- - -	0.02 +/- 0.009	671 +/- 272
NUMBER OF SAMPLES COLLECTED	12	12	12	12
NUMBER OF SAMPLES ANALYSED	7	7	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	- - -	- - -	7	7
RANGE	- - -	- - -	0.03	715.00
STUDENT'S t VALUE (95%)	- - -	- - -	2.381	2.448
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

FILE B - 2

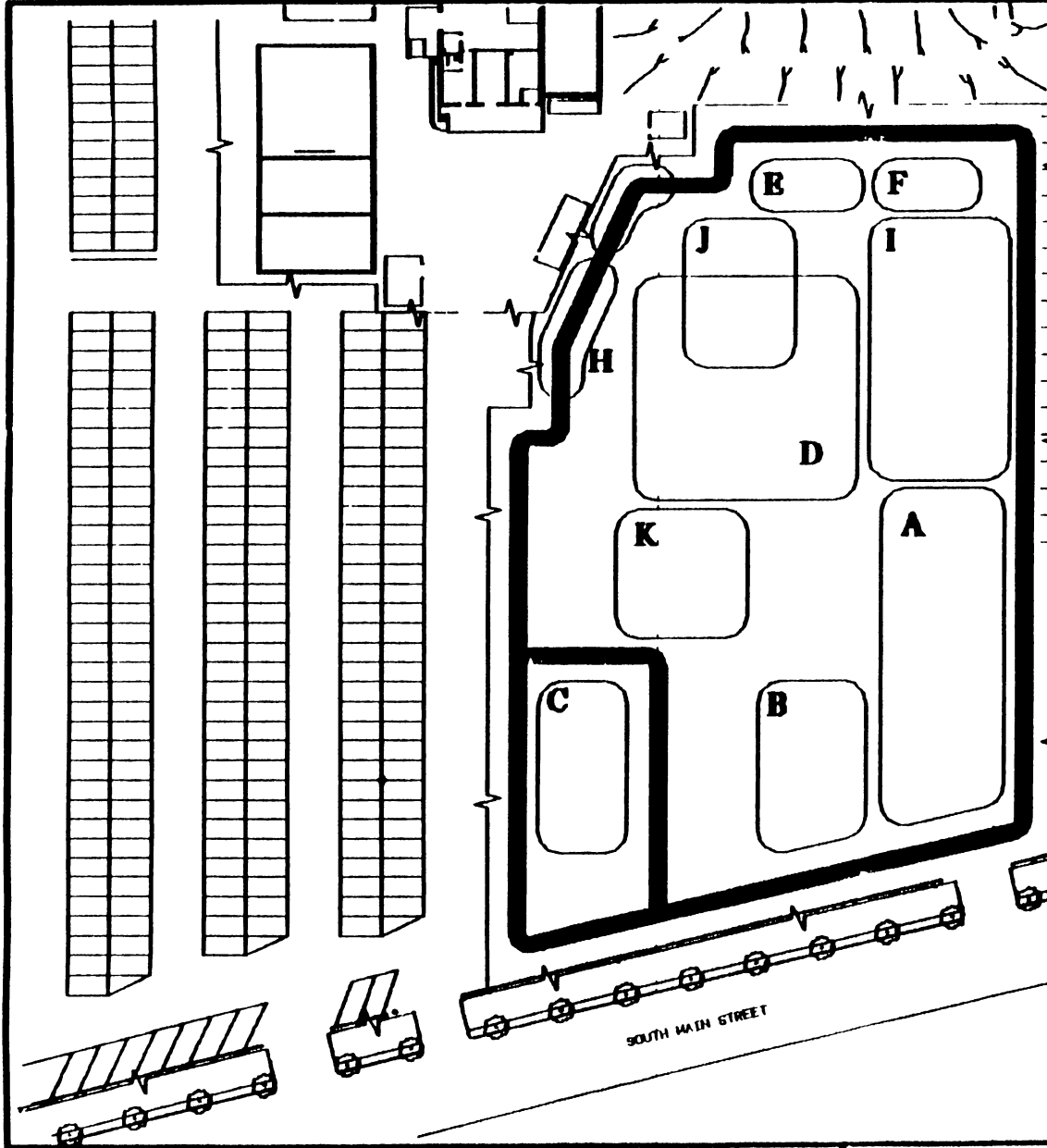
TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING
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PO #H346837

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RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS

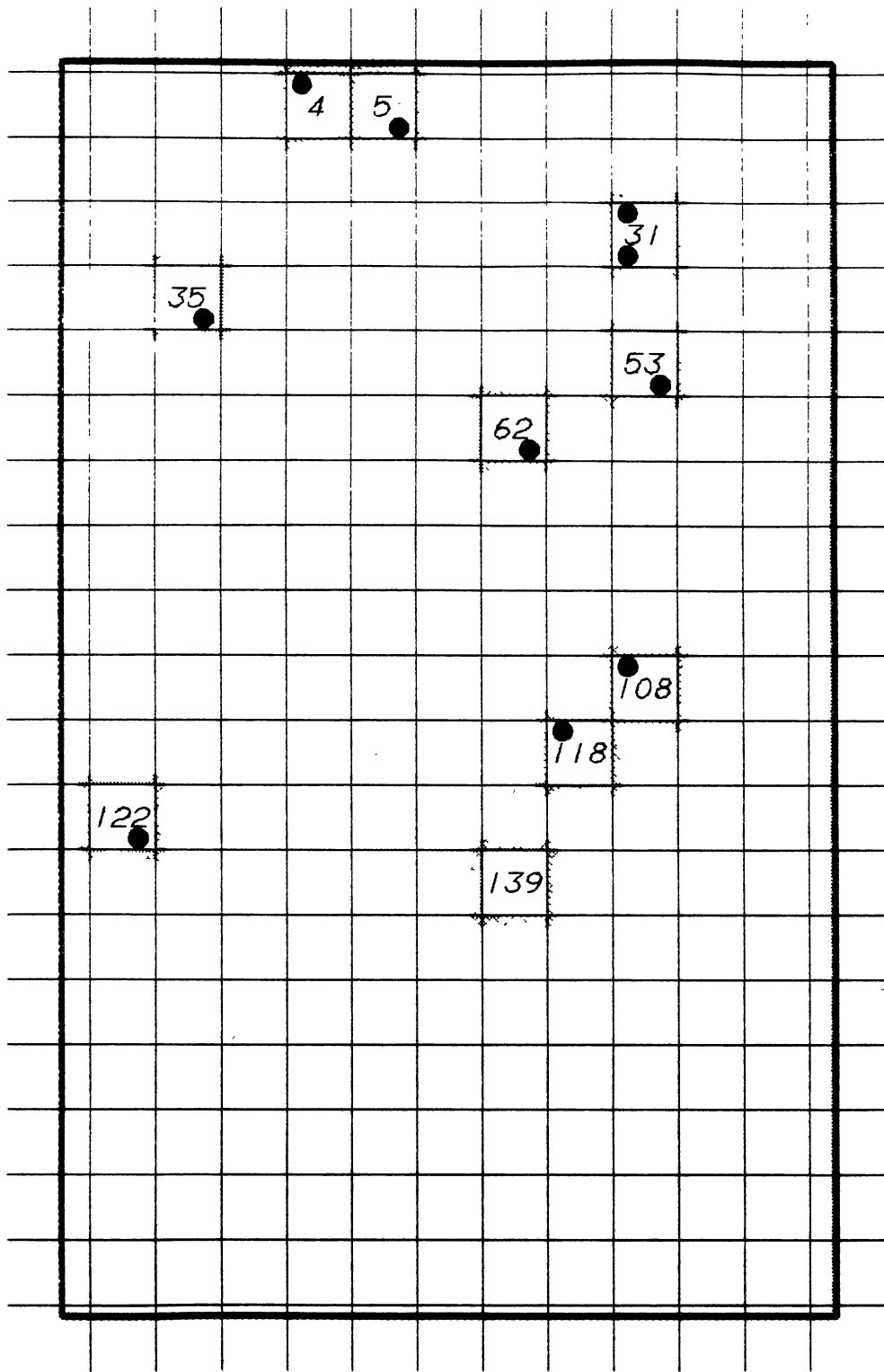


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-05	
DWG TITLE		SOIL SAMPLE PLAN	
DRW SIZE	SCALE	DATE	TRAIN
	1/32"=1'	10/91	D BARBOON
TEXTORX		Lycoming	
650 MAIN STREET		STRAIT (RD) CT 06419	
PLANT ENGINEERING			
APPROVED		DATE	
APPROVED		DATE	



RANDOM SAMPLE GRID PILE B2
116' X 71'
(6' X 6' GRID)

SAMPLE KEY

METALS
TPH
VOC
ALL

TEXTRON Lycoming SAMPLE TRACKING CHART

LIFT LETTER **B 2**

GRID #	ANALYSIS TYPE					
	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TCLP EXT 8 METALS & V O	TPH	VO	TCLP (CHP & LEAD) TPH & VO
4			X	X		
5						
31			X	X		
35			X	X		
53						
62						
108			X	X		
118						
122			X	X		
139						
178			X	X		
193			X	X		
TOTAL						
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST						
TOTAL COST						
COLLECTION COST						
TOTAL COST THIS LIFT						

TEXTRON Lycoming SAMPLE TRACKING CHART

LIFT LETTER **B2**

ANALYSIS TYPE						
GRID #	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TCLP EXT & METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
TRIP BLANK			X			
TOTAL	0	0	8	7	0	0
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST	0	0	2760	280	0	0
TOTAL COST	3 , 040					
COLLECTION COST	1 , 062 . 50					
TOTAL COST THIS LIFT	4 , 102 . 50					



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497
Attn: Dennis Babcock

LABORATORY REPORT

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID B-2
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
REPORT DATE: MARCH 4, 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>
# 4 21331	1,015 mg/L
# 31 21333	370 mg/L
# 35 21334	485 mg/L
# 108 21337	365 mg/L
# 122 21339	1,080 mg/L
# 178 21341	465 mg/L
# 193 21342	915 mg/L

* TEST METHOD= USEPA 418.1 / 9071

DATE ANALIZED = 02-22-92

ALL SAMPLES FROM GRID PILE B-2 WILL BE STORED IN THE LAB
UNTIL 30 DAYS FROM REPORT DATE

John Morico
(S.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21331

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE B-2, GRID # 4
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR. 06, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01	206.2	03-04-92
BARIUM	0.97	200.7	03-04-92
CADMIUM	0.02	200.7	03-04-92
CHROMIUM	0.16	200.7	03-04-92
LEAD	0.22	239.2	03-04-92
MERCURY	<0.01	245.2	03-04-92
SELENIUM	<0.01	270.2	03-04-92
SILVER	0.02	200.7	03-04-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR

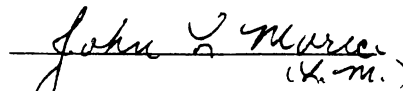
LABORATORY REPORT NO.: 21331
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 PROJECT: Pile B-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #4
 SAMPLE PREPARATION: ZHE-TCLP/Purge & Trap EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: Feb. 24, 1992
 REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BROMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYL VINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21331

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.


(J.L.M.)
JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21331
 PROJECT: Pile B-2
 SAMPLE IDENTIFICATION: Grid #4
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 SAMPLE PREPARATION: ZHE-TCLP\ Purge & Trap EPA5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: Feb. 24, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21333

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE B-2, GRID # 31
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR 6, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01	206.2	03-04-92
BARIUM	0.90	200.7	03-04-92
CADMIUM	0.02	200.7	03-04-92
CHROMIUM	0.12	200.7	03-04-92
LEAD	0.08	239.2	03-04-92
MERCURY	<0.01	245.2	03-04-92
SELENIUM	<0.01	270.2	03-04-92
SILVER	0.01	200.7	03-04-92

John Morico (J.M.)
JOHN MORICO, DIRECTOR

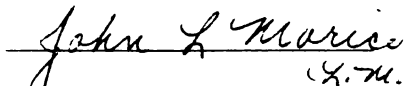
LABORATORY REPORT NO.: 21333
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 PROJECT: Pile B-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #31
 SAMPLE PREPARATION: ZHE-TCLP/Purge & Trap EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: Feb. 24, 1992
 REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BOMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYL VINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21333

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

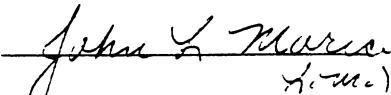
ANALYST: F.A.M.


(F.A.M.)
JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21333
PROJECT: Pile B-2
SAMPLE IDENTIFICATION: Grid # 31
DATE SAMPLED: Feb. 21, 1992
DATE RECEIVED AT LAB: Feb. 21, 1992
SAMPLE PREPARATION: ZHE-TCLP purge & Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: Feb. 24, 1992

PARAMETER	CONCENTRATION DETECTION	
	<u>(ug/L)</u>	<u>LIMIT (ug/L)</u>
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:


JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
5 Industrial Circle • Hamden Industrial Park • Hamden, CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21334

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE B-2, GRID # 35
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR. 06, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01	206.2	03-04-92
BARIUM	0.74	200.7	03-04-92
CADMIUM	0.02	200.7	03-04-92
CHROMIUM	0.11	200.7	03-04-92
LEAD	0.06	239.2	03-04-92
MERCURY	<0.01	245.2	03-04-92
SELENIUM	<0.01	270.2	03-04-92
SILVER	<0.01	200.7	03-04-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR

LABORATORY REPORT NO.: 21334
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 PROJECT: Pile B2
 CUSTOMER SAMPLE DESCRIPTION: Grid #35
 SAMPLE PREPARATION: ZHE-ICLP/Purge & Trap EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: Feb. 24, 1992
 REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BOMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYL VINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21334

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.

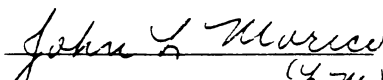
John L. Morico
(F.A.M.)

JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21334
 PROJECT: Pile B-2
 SAMPLE IDENTIFICATION: Grid # 35
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge & Trap EPA 5030
 USFPA TEST METHOD: 8020
 DATE OF ANALYSIS: Feb. 24, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
O-XYLENE	<2.00	2.00
m, p-XYLENE	<2.00	2.00

ANALYST:


 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21337

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE B-2, GRID # 108
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR. 06, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01	206.2	03-04-92
BARIUM	0.81	200.7	03-04-92
CADMIUM	0.01	200.7	03-04-92
CHROMIUM	0.16	200.7	03-04-92
LEAD	0.19	239.2	03-04-92
MERCURY	<0.01	245.2	03-04-92
SELENIUM	<0.01	270.2	03-04-92
SILVER	0.03	200.7	03-04-92

John Morico

JOHN MORICO, DIRECTOR

LABORATORY REPORT NO.: 21337
DATE SAMPLED: Feb. 21, 1992
DATE RECEIVED AT LAB: Feb. 21, 1992
PROJECT: Pile B-2
CUSTOMER SAMPLE DESCRIPTION: Grid # 108
SAMPLE PREPARATION: ZHE-TCLP/Purge & Trap EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: Feb. 24, 1992
REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BROMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYLVINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21337

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21337
 PROJECT: Pile B-2
 SAMPLE IDENTIFICATION: Grid #108
 DATE SAMPLED: Feb.21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 SAMPLE PREPARATION: ZHE-TCLP/Purge & trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: Feb. 24, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21339

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE B-2, GRID #122
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR. 06, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01	206.2	03-04-92
BARIUM	0.83	200.7	03-04-92
CADMIUM	0.04	200.7	03-04-92
CHROMIUM	0.36	200.7	03-04-92
LEAD	0.13	239.2	03-04-92
MERCURY	<0.01	245.2	03-04-92
SELENIUM	<0.01	270.2	03-04-92
SILVER	0.03	200.7	03-04-92

JOHN MORICO, DIRECTOR

LABORATORY REPORT NO.: 21339
 DATE SAMPLED: Feb. 24, 1992
 DATE RECEIVED AT LAB: Feb. 24, 1992
 PROJECT: Pile B-2
 CUSTOMER SAMPLE DESCRIPTION: Grid # 122
 SAMPLE PREPARATION: ZHE-TCLP/Purge & Trap EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: Feb. 14, 1992
 REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BROMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYLVINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21339

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)

JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21339
PROJECT: Pile B-2
SAMPLE IDENTIFICATION: Grid # 122
DATE SAMPLED: Feb. 21, 1992
DATE RECEIVED AT LAB: Feb. 21, 1992
SAMPLE PREPARATION: ZHE-TCLP/Purge & Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: Feb. 24, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21341

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE B-2, GRID # 178
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR. 06, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01	206.2	03-04-92
BARIUM	0.08	200.7	03-04-92
CADMIUM	0.02	200.7	03-04-92
CHROMIUM	0.10	200.7	03-04-92
LEAD	1.08	239.2	03-04-92
MERCURY	<0.01	245.2	03-04-92
SELENIUM	<0.01	270.2	03-04-92
SILVER	0.03	200.7	03-04-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR

LABORATORY REPORT NO.: 21341
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 PROJECT: Pile B-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #178
 SAMPLE PREPARATION: ZHE-TCLP/Purge & Trap EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: Feb. 24, 1992
 REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BROMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYLVINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21341

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.

John L. Morico
(4-12)
JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21341
 PROJECT: PILE B-2
 SAMPLE IDENTIFICATION: Grid # 178
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 SAMPLE PREPARATION: ZHE-TCLP/ Purge & Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: Feb. 24, 1992

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



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6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21342

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE B-2, GRID # 193
DATE COLLECTED: FEB 21, 1992
TIME\DATE RECEIVED: FEB 21, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: MAR. 06, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01	206.2	03-04-92
BARIUM	0.80	200.7	03-04-92
CADMIUM	0.02	200.7	03-04-92
CHROMIUM	0.13	200.7	03-04-92
LEAD	0.16	239.2	03-04-92
MERCURY	<0.01	245.2	03-04-92
SELENIUM	<0.01	270.2	03-04-92
SILVER	0.03	200.7	03-04-92

John Morico
(S.M.)
JOHN MORICO, DIRECTOR

LABORATORY REPORT NO.: 21342
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 PROJECT: Pile B-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #193
 SAMPLE PREPARATION: ZHE-TCLP Purge & Trap EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: Feb. 24, 1992
 REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	<2.00	2.00
BROMOFORM	<2.00	2.00
BROMOMETHANE	<2.00	2.00
CARBON TETRACHLORIDE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
CHLOROETHANE	<2.00	2.00
2-CHLOROETHYLVINYL ETHER	<2.00	2.00
CHLOROFORM	<2.00	2.00
CHLOROMETHANE	<2.00	2.00
DIBROMOCHLOROMETHANE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
1,1-DICHLOROETHANE	<2.00	2.00
1,2-DICHLOROETHANE	<2.00	2.00
1,1-DICHLOROETHENE	<2.00	2.00
TRANS-1,2-DICHLOROETHENE	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
TRANS-1,3-DICHLOROPROPENE	<2.00	2.00

LABORATORY REPORT NO: 21342

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2 TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.

John L. Morico
(L.M.)

JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21342
PROJECT: Pile B-2
SAMPLE IDENTIFICATION: Grid # 193
DATE SAMPLED: Feb. 21, 1992
DATE RECEIVED AT LAB: Feb. 21, 1992
SAMPLE PREPARATION: ZHE-TCLP/ Purge & Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: Feb. 24, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21343
DATE SAMPLED: Feb. 20, 1992
DATE RECEIVED AT LAB: Feb. 21, 1992
PROJECT: Pile B-2
CUSTOMER SAMPLE DESCRIPTION: Trip Blank
SAMPLE PREPARATION: ZHE-TCLP/Purge & Trap EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: Feb. 24, 1992
REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BROMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYL VINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21343

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE) .	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.

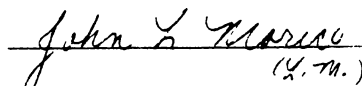
John L. Morico
(J.M.)
JOHN L. MORICO
DIRECTOR

2 OF 2

LABORATORY REPORT NO.: 21343
PROJECT: Pile B-2
SAMPLE IDENTIFICATION: Trip Blank
DATE SAMPLED: Feb. 20, 1992
DATE RECEIVED AT LAB: FEB. 21, 1992
SAMPLE PREPARATION: PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB. 24, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:


JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21343-LB
 DATE SAMPLED: Feb. 21, 1992
 DATE RECEIVED AT LAB: Feb. 21, 1992
 PROJECT: Pile B-2
 CUSTOMER SAMPLE DESCRIPTION: LAB BLANK
 SAMPLE PREPARATION: ZHE-TCLP/ Purge & Trap EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: Feb. 24, 1992
 REPORT DATE: March 6, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 2.00	2.00
BROMOFORM	< 2.00	2.00
BROMOMETHANE	< 2.00	2.00
CARBON TETRACHLORIDE	< 2.00	2.00
CHLOROBENZENE	< 2.00	2.00
CHLOROETHANE	< 2.00	2.00
2-CHLOROETHYLVINYL ETHER	< 2.00	2.00
CHLOROFORM	< 2.00	2.00
CHLOROMETHANE	< 2.00	2.00
DIBROMOCHLOROMETHANE	< 2.00	2.00
1,3-DICHLOROBENZENE	< 2.00	2.00
1,4-DICHLOROBENZENE	< 2.00	2.00
1,2-DICHLOROBENZENE	< 2.00	2.00
1,1-DICHLOROETHANE	< 2.00	2.00
1,2-DICHLOROETHANE	< 2.00	2.00
1,1-DICHLOROETHENE	< 2.00	2.00
TRANS-1,2-DICHLOROETHENE	< 2.00	2.00
1,2-DICHLOROPROPANE	< 2.00	2.00
TRANS-1,3-DICHLOROPROPENE	< 2.00	2.00

LABORATORY REPORT NO: 21343-LB

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	<2.00	2.00
1,1,1,2-TETRACHLOROETHANE	<2.00	2.00
TETRACHLOROETHENE	<2.00	2.00
1,1-TRICHLOROETHANE	<2.00	2.00
1,1,2-TRICHLOROETHANE	<2.00	2.00
TRICHLOROETHENE	<2.00	2.00
TRICHLOROFLUOROMETHANE	<2.00	2.00
VINYL CHLORIDE	<2.00	2.00
BENZYL CHLORIDE	<2.00	2.00
BIS(2-CHLOROETOXY)METHANE	<2.00	2.00
BROMOBENZENE	<2.00	2.00
1-CHLOROHEXANE	<2.00	2.00
CHLOROMETHYL METHYL ETHER	<2.00	2.00
2-CHLOROTOLUENE	<2.00	2.00
4-CHLOROTOLUENE	<2.00	2.00
DIBROMOMETHANE	<2.00	2.00
DICHLORODIFLUOROMETHANE	<2.00	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	<2.00	2.00
1,2-DICHLOROPROPANE	<2.00	2.00
1,2,3-TRICHLOROPROPANE	<2.00	2.00

ANALYST: F.A.M.

John L. Morico
(J.M.)
JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21343-LB
PROJECT: PILE B-2
SAMPLE IDENTIFICATION: ZHE-TCLP BLANK
DATE SAMPLED: FEB. 21, 1992
DATE RECEIVED AT LAB: FEB. 21, 1992
SAMPLE PREPARATION: ZHE/TCLP / PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: FEB. 24, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	<2.00	2.00
CHLOROBENZENE	<2.00	2.00
1,3-DICHLOROBENZENE	<2.00	2.00
1,4-DICHLOROBENZENE	<2.00	2.00
1,2-DICHLOROBENZENE	<2.00	2.00
ETHYL BENZENE	<2.00	2.00
METHYL BENZENE (TOLUENE)	<2.00	2.00
o-XYLENE	<2.00	2.00
m,p-XYLENE	<2.00	2.00

ANALYST:

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

20 May 1992

RE: PILE C-1 ANALYSES

This summary report is based on samples collected on Mar 12, 1992 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

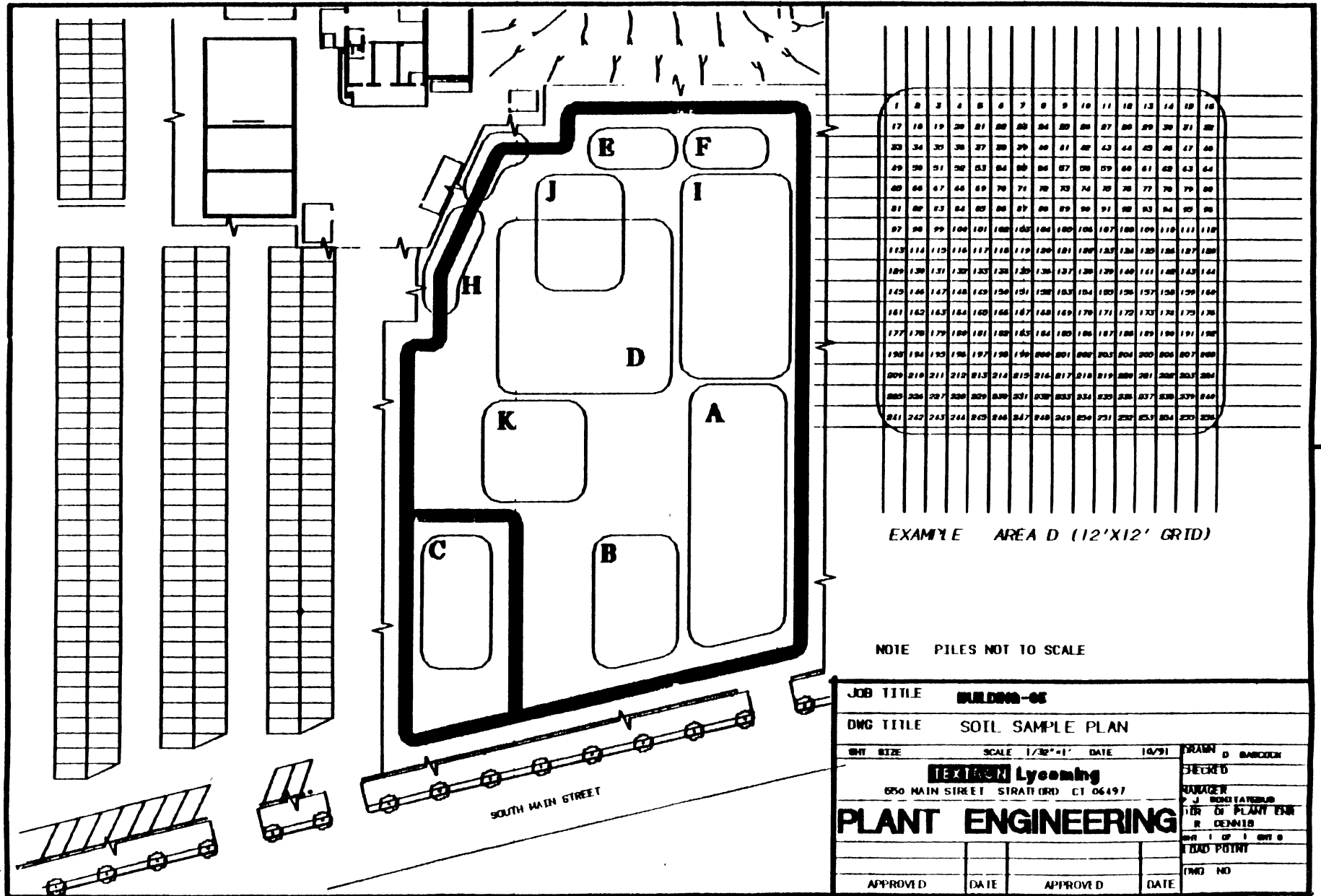
Samples collected were analyzed for one or more of the following:

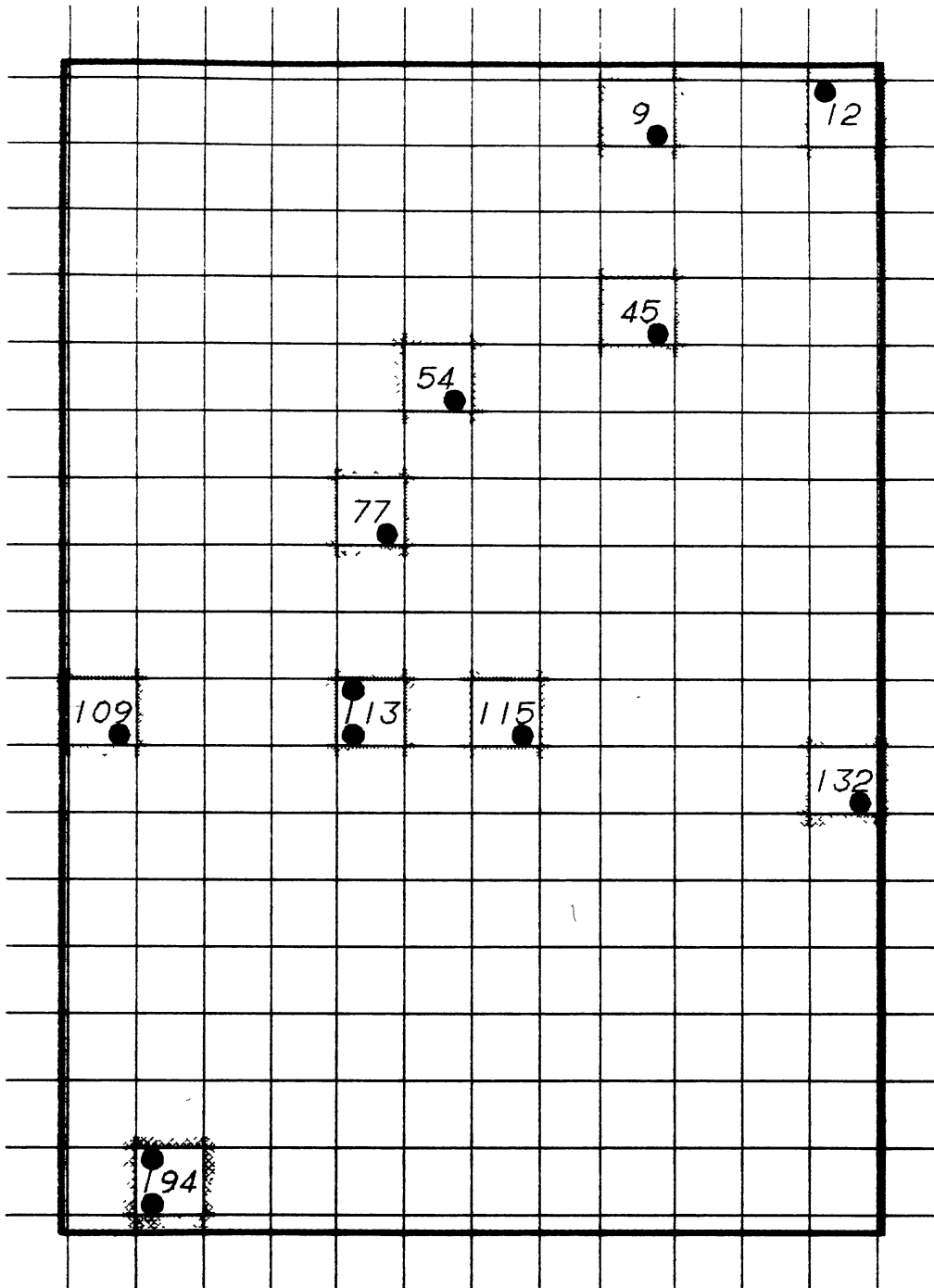
- TCLP Extraction: USEPA TCLP 7420 USEPA TCLP 7190
- Total Gross Metals: USEPA SW-846 7420 USEPA SW-846 7190
- Total Petroleum Hydrocarbons: USEPA 418.1 SW-846 9071
- Field Blank (VOC): USEPA 602
- ZHE EXTRACTION (FOR VOC) ZHE EXTRACTION (FOR METALS)
- VOC's: USEPA 8010 USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.

- Attachments: Overall site location map
- Individual pile random sample grid
- Summary and Statistical Analysis Report
- Individual Sample Reports

John Morico
(J.M.)
JOHN MORICO, DIRECTOR





RANDOM SAMPLE GRID PILE C1
105' X 73'
(6' X 6' GRID)

SAMPLE KEY
● METALS
● TPH
● VOC
● ALL

GRID #	ANALYSIS TYPE					
	TCLP EXT CHROMIUM & LEAD	TCLP EXT 8 METALS	TCLP EXT 8 METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
12			X	X		
14			X	X		
54			X	X		
113			X	X		
148			X	X		
178			X	X		
194			X	X		
TOTAL	0	0	7	7	0	0
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST	0	0	2415	280	0	0
TOTAL COST	2,695					
COLLECTION COST	1,125					
TOTAL COST THIS LIFT	3,820					



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CT Registration No. PH-0432

PILE C - 1

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP ARSENIC</u>	<u>TCLP BARIUM</u>	<u>TCLP CADMIUM</u>	<u>TCLP CHROMIUM</u>	<u>TCLP LEAD</u>
MEANS:	< 0.01	0.08	0.01	0.07	0.07
STANDARD DEVIATION:	- - -	0.02	<0.001	0.01	0.03
VARIANCE:	- - -	<0.001	<0.001	<0.001	<0.001
95 % CONFIDENCE INTERVAL	- - -	0.08 +/- 0.02	0.01 +/- 0.0001	0.07 +/- 0.0001	0.07 +/- 0.03
NUMBER OF SAMPLES COLLECTED	13	13	13	13	13
NUMBER OF SAMPLES ANALYZED	7	7	7	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7	7	7	7	7
RANGE	0.00	0.07	0.01	0.02	0.09
STUDENT'S t VALUE (95%)	2.447	2.447	2.447	2.447	2.447
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC

PILE C - 1

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	0.00	0.00	0.00	186
STANDARD DEVIATION	- - -	- - -	- - -	24.8
VARIANCE	- - -	- - -	- - -	615
95 % CONFIDENCE INTERVAL	- - -	- - -	- - -	186 +/- 23
NUMBER OF SAMPLES COLLECTED	13	13	13	13
NUMBER OF SAMPLES ANALYSED	7	7	7	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7	7	7	7
RANGE	0.00	0.00	0.00	80
STUDENT'S t VALUE (95%)	2.447	2.447	2.447	2.447
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



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CT Registration No. PH-0432

* FILE C-1 *

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

PO #H346837

CHLOROFORM

MEANS	0.44 ug/L
STANDARD DEVIATION	1.08
VARIANCE	1.18
95 % CONFIDENCE INTERVAL	0.44 ug/L +/- 0.91
NUMBER OF SAMPLES COLLECTED	12
NUMBER OF SAMPLES ANALYSED	7
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	7
RANGE	3.10 ug/L
STUDENT'S t VALUE (95%)	2.447
TCLP FEDERAL LIMIT	6000
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON-TOXIC

*These results are based upon TCLP ZERO HEADSPACE - VOC analysis.



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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21436-21449

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1
DATE COLLECTED: MAR 12, 1992
TIME\DATE RECEIVED: 5 pm MAR 12, 1992
REPORT DATE: MAR 20 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>	
# 12 - 21437	185	mg/L
# 14 - 21438	188	mg/L
# 54 - 21440	194	mg/L
# 113 - 21443	208	mg/L
# 148 - 21445	128	mg/L
# 178 - 21446	191	mg/L
#194 - 21447	205	mg/L

* TEST METHOD= USEPA 418.1/ 9071 DATE ANALYZED

John Morico

JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn:

LABORATORY REPORT NO. 21437

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1, GRID # 12
DATE COLLECTED: MAR 12, 1992
TIME\DATE RECEIVED: 5:00 PM MAR 12, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	03-25-92
BARIUM	0.08 mg/L	200.7	03-25-92
CADMIUM	0.01 mg/L	200.7	03-25-92
CHROMIUM	0.06 mg/L	200.7	03-25-92
LEAD	0.09 mg/L	239.2	03-25-92
MERCURY	< 0.01 mg/L	245.2	03-25-92
SELENIUM	< 0.01 mg/L	270.2	03-25-92
SILVER	< 0.01 mg/L	200.7	03-25-92

John Morico
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO. : 21437
 PROJECT: Pile C-1
 CUSTOMER SAMPLE DESCRIPTION: Grid #9
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MARCH 23, 1992
 REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21437

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203) 281-6290

CT Registrator No. PH-0432

LABORATORY REPORT NO.: 21437
 PROJECT: PILE C-1
 SAMPLE IDENTIFICATION: GRID #9
 DATE SAMPLED: MARCH 12, 1992
 DATE RECEIVED AT LAB: MARCH 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 23, 1992

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico

 JOHN L. MORICO (F.A.M.)
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn:

LABORATORY REPORT NO. 21438

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1, GRID # 14
DATE COLLECTED: MAR 12, 1992
TIME\DATE RECEIVED: 5:00 PM MAR 12, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	03-25-92
BARIUM	0.08 mg/L	200.7	03-25-92
CADMIUM	< 0.01 mg/L	200.7	03-25-92
CHROMIUM	0.08 mg/L	200.7	03-25-92
LEAD	0.07 mg/L	239.2	03-25-92
MERCURY	< 0.01 mg/L	245.2	03-25-92
SELENIUM	< 0.01 mg/L	270.2	03-25-92
SILVER	< 0.01 mg/L	200.7	03-25-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.
 6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO. : 21438
 PROJECT: Pile C-1
 CUSTOMER SAMPLE DESCRIPTION: Grid #14
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MARCH 23, 1992
 REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO: 21438

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21438
PROJECT: Pile C-1
SAMPLE IDENTIFICATION: Grid #54
DATE SAMPLED: Mar 12, 1992
DATE RECEIVED AT LAB: Mar 12, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 23, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-04-2

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn:

LABORATORY REPORT NO. **21440**

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1, GRID # 54
DATE COLLECTED: MAR 12, 1992
TIME\DATE RECEIVED: 5:00 PM MAR 12, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	03-25-92
BARIIUM	0.13 mg/L	200.7	03-25-92
CADMIUM	0.01 mg/L	200.7	03-25-92
CHROMIUM	0.07 mg/L	200.7	03-25-92
LEAD	0.09 mg/L	239.2	03-25-92
MERCURY	< 0.01 mg/L	245.2	03-25-92
SELENIUM	< 0.01 mg/L	270.2	03-25-92
SILVER	< 0.01 mg/L	200.7	03-25-92

John Morico
(41.7m.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21440
 PROJECT: Pile C-1
 CUSTOMER SAMPLE DESCRIPTION: Grid #54
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MARCH 23, 1992
 REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21440

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21440
PROJECT: Pile C-1
SAMPLE IDENTIFICATION: Grid #54
DATE SAMPLED: Mar 12, 1992
DATE RECEIVED AT LAB: Mar 12, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 23, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn:

LABORATORY REPORT NO. 21443

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1, GRID # 113
DATE COLLECTED: MAR 12, 1992
TIME\DATE RECEIVED: 5:00 PM MAR 12, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	03-25-92
BARIUM	0.06 mg/L	200.7	03-25-92
CADMIUM	0.01 mg/L	200.7	03-25-92
CHROMIUM	0.07 mg/L	200.7	03-25-92
LEAD	0.03 mg/L	239.2	03-25-92
MERCURY	< 0.01 mg/L	245.2	03-25-92
SELENIUM	< 0.01 mg/L	270.2	03-25-92
SILVER	< 0.01 mg/L	200.7	03-25-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO. : 21443
 PROJECT: Pile C-1
 CUSTOMER SAMPLE DESCRIPTION: Grid #113
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MARCH 23, 1992
 REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
CAT-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21443

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21443
 PROJECT: Pile C-1
 SAMPLE IDENTIFICATION: Grid #113
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 23, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn:

LABORATORY REPORT NO. **21445**

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1, GRID # 148
DATE COLLECTED: MAR 12, 1992
TIME\DATE RECEIVED: 5:00 PM MAR 12, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>		<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:				
ARSENIC	< 0.01	mg/L	206.2	03-25-92
BARIUM	0.06	mg/L	200.7	03-25-92
CADMIUM	< 0.01	mg/L	200.7	03-25-92
CHROMIUM	0.07	mg/L	200.7	03-25-92
LEAD	0.01	mg/L	239.2	03-25-92
MERCURY	< 0.01	mg/L	245.2	03-25-92
SELENIUM	< 0.01	mg/L	270.2	03-25-92
SILVER	< 0.01	mg/L	200.7	03-25-92

John Morico
(S.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO. : 21445
 PROJECT: Pile C-1
 CUSTOMER SAMPLE DESCRIPTION: Grid #148
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MARCH 23, 1992
 REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	3.10	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO: 21445

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21445
 PROJECT: Pile C-1
 SAMPLE IDENTIFICATION: Grid #148
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 23, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn:

LABORATORY REPORT NO. **21446**

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1, GRID # 178

DATE COLLECTED: MAR 12, 1992

TIME\DATE RECEIVED: 5:00 PM MAR 12, 1992

SAMPLE PREPARATION: TCLP EXTRACTION

REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>		<u>RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP				
ARSENIC	< 0.01	mg/L	206.2	03-25-92
BARIUM	0.07	mg/L	200.7	03-25-92
CADMIUM	0.01	mg/L	200.7	03-25-92
CHROMIUM	0.07	mg/L	200.7	03-25-92
LEAD	0.10	mg/L	239.2	03-25-92
MERCURY	< 0.01	mg/L	245.2	03-25-92
SELENIUM	< 0.01	mg/L	270.2	03-25-92
SILVER	< 0.01	mg/L	200.7	03-25-92

John Morico
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21446
 PROJECT: Pile C-1
 CUSTOMER SAMPLE DESCRIPTION: Grid #178
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MARCH 23, 1992
 REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
CAT-1,3-DICHLOROPROPENE	BDL	2.00



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO: 21446

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO.: 21446
 PROJECT: Pile C-1
 SAMPLE IDENTIFICATION: Grid #178
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 23, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
 (S.T.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn:

LABORATORY REPORT NO. 21447

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE C-1, GRID # 194
DATE COLLECTED: MAR 12, 1992
TIME\DATE RECEIVED: 5:00 PM MAR 12, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	03-25-92
BARIUM	0.07 mg/L	200.7	03-25-92
CADMIUM	< 0.01 mg/L	200.7	03-25-92
CHROMIUM	0.07 mg/L	200.7	03-25-92
LEAD	0.08 mg/L	239.2	03-25-92
MERCURY	< 0.01 mg/L	245.2	03-25-92
SELENIUM	< 0.01 mg/L	270.2	03-25-92
SILVER	< 0.01 mg/L	200.7	03-25-92

John Morico
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO. : 21447
 PROJECT: Pile C-1
 CUSTOMER SAMPLE DESCRIPTION: Grid #12
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MARCH 23, 1992
 REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21447

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21447
 PROJECT: Pile C-1
 SAMPLE IDENTIFICATION: Grid #12
 DATE SAMPLED: Mar 12, 1992
 DATE RECEIVED AT LAB: Mar 12, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 23, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

26 May 1992

RE: PILE C-2 ANALYSES

This summary report is based on samples collected on May 04, 1992 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 13XX

Total Petroleum Hydrocarbons: USEPA 418.1 SW-846 9071


Field Blank (VOC): USEPA 8010/8020

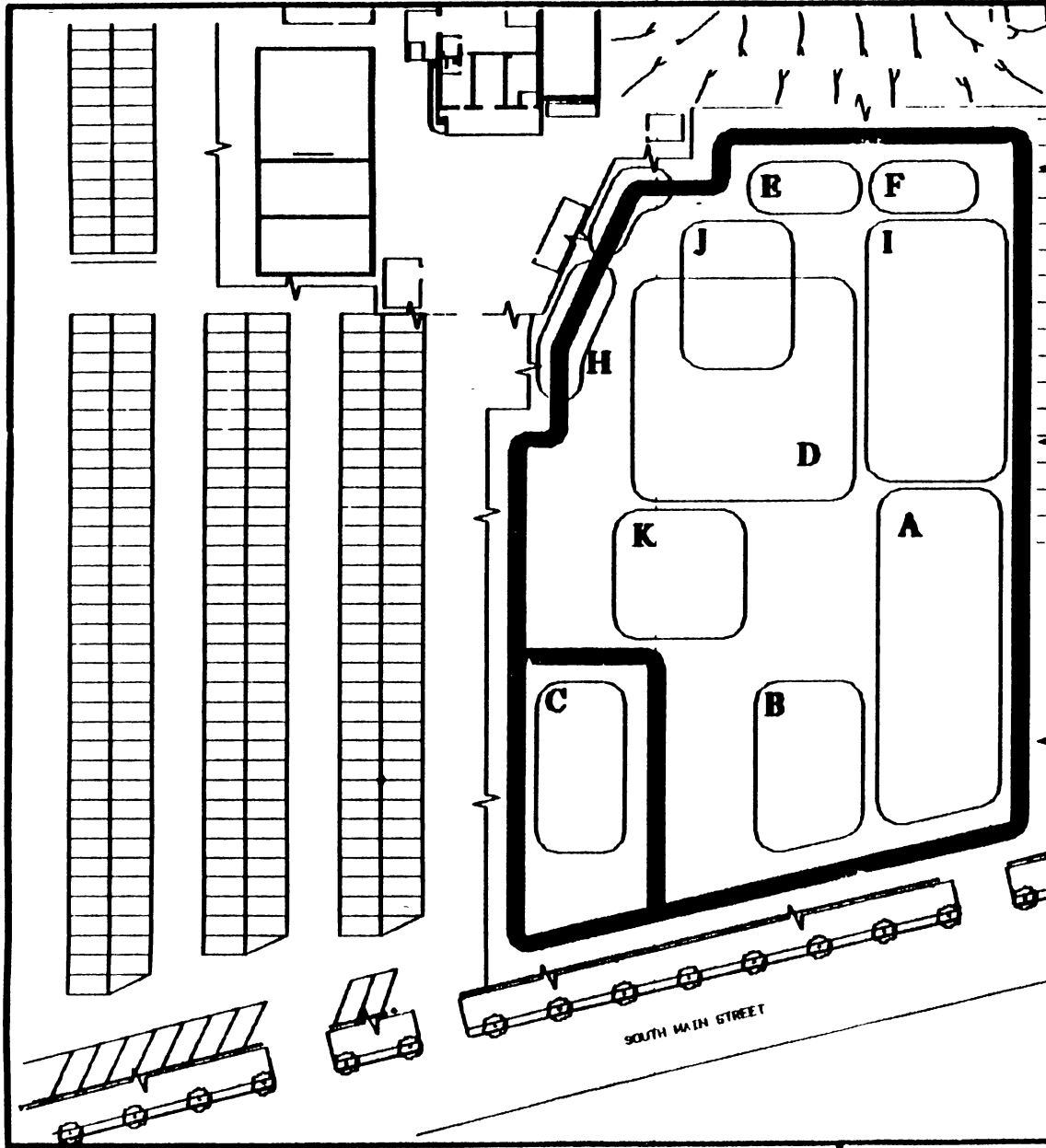
ZHE EXTRACTION (FOR VOC) ZHE EXTRACTION (FOR METALS)

VOC's: USEPA 8010 USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.

Attachments: Overall site location map
Individual pile random sample grid
Summary and Statistical Analysis Report
Individual Sample Reports


JOHN MORICO, DIRECTOR

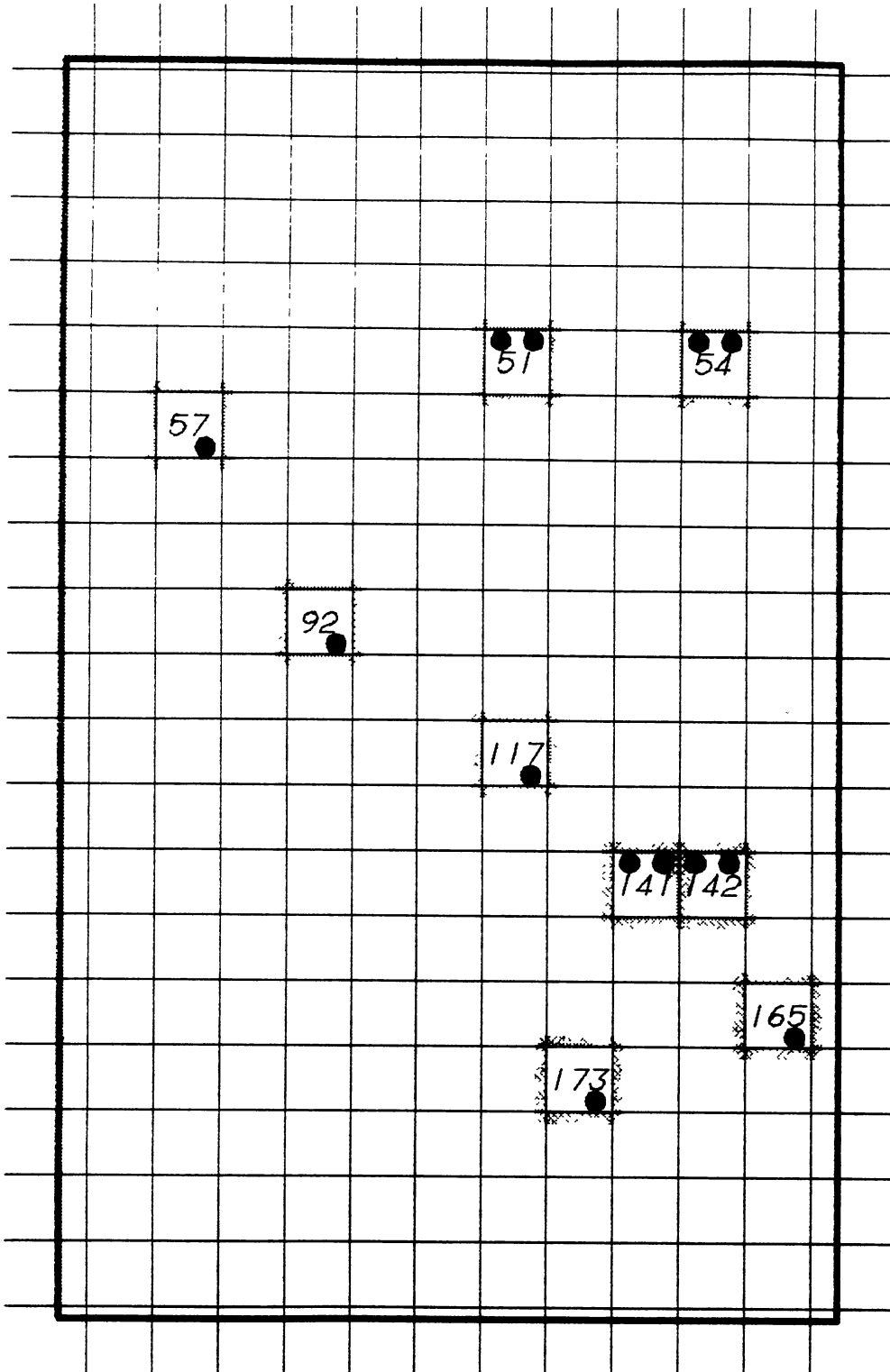


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-05	
DWG TITLE		SOIL SAMPLE PLAN	
DWG SIZE	SCALE	DATE	DRWN
	1/32"=1'	10/91	D. BARBOON
TEXTOR Lycoming		CHECK'D	
650 MAIN STREET STRATFORD CT 06497		MANAGER	
PLANT ENGINEERING		J. BENNETT	
		SUPERVISOR	
		R. DENNIS	
		DATE	
		DRAWN BY	
		D. DENNIS	
		DATE	
		DWG NO	
		100	



RANDOM SAMPLE GRID PILE C2
116' X 71'
(6' X 6' GRID)

SAMPLE KEY

- METALS
- TPH
- VOC
- ALL

TEXTRON Lycoming

SAMPLE TRACKING CHART

LIFT LETTER **C2**

GRID #	ANALYSIS TYPE					
	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TCLP EXT 8 METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
4			X	X		
54			X	X		
57			X	X		
135			X	X		
142			X	X		
173			X	X		
190			X	X		
TRIP BLANK					X	
TOTAL	0	0	7	7	1	0
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST	0	0	2415	280	130	0
TOTAL COST	2,825					
COLLECTION COST	1,000 .					
TOTAL COST THIS LIFT	3,825					



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CT Registration No PH-0432

FILE C - 2

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====

P O # H 346837

=====

RE: VOLATIVE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE
BELOW DETECTION LIMITS



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
ATTN: James Rutstadtler

LABORATORY REPORT NO. 21689-21700

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID FILE C -2
DATE COLLECTED: MAY 4, 1992
TIME\DATE RECEIVED: 4:30 PM MAY 4, 1992
REPORT DATE: MAY , 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>
# 4 - (21689)	293 ug/g
#54 - (21691)	318 ug/g
#57 - (21692)	325 ug/g
#135 - (21695)	382 ug/g
#142 - (21697)	268 ug/g
#173 - (21699)	328 ug/g
#190 - (21700)	263 ug/g
LAB BLANK -21701	< 0.2 ug/g

AVERAGE 311 ug/g

* TEST METHOD = USEPA 418.1, SW 846 9071 ANALYZED 05-09-92

JOHN MORICO,
DIRECTOR



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CT Registration No. PH-0432

TELETRON LYCOMING

LABORATORY REPORT NO. 21689

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
PH	7.2	2131	05-11-82
TEMP	18.5	2131	05-11-82
DO	6.5	2131	05-11-82
TSS	0.5	2131	05-11-82
BOD	0.2	2131	05-11-82
COD	0.5	2131	05-11-82
AMMONIA	0.05	2131	05-11-82
NITRATE	0.05	2131	05-11-82
PHOSPHORUS	0.05	2131	05-11-82


ANALYSED BY: JOHN MORRIS REPORT NO. 21689

John Morris
ANALYST

LABORATORY REPORT NO: 21689

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR


LABORATORY REPORT NO. : 21689
PROJECT: PILE C-2
CUSTOMER SAMPLE DESCRIPTION: GRID # 4
DATE SAMPLED: MAY 4, 1992.
DATE RECEIVED AT LAB: MAY 4, 1992.
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: MAY 27, 1992.
REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO.: 21689
 PROJECT: PILE C-2
 SAMPLE IDENTIFICATION: GRID # 4
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.


 JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING

LABORATORY REPORT NO. 21571

Sample received at laboratory on 05/21/91. (Sample # 71)
Sample analyzed for metals and trace organics. 1 x 1
Sample analyzed for metals and trace organics. 1 x 1

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
ARSENIC	0.000 mg/L	200.1	05-21-91
BARIUM	0.000 mg/L	200.1	05-21-91
BORON	0.000 mg/L	200.1	05-21-91
CADMIUM	0.000 mg/L	200.1	05-21-91
CHROMIUM	0.000 mg/L	200.1	05-21-91
COPPER	0.000 mg/L	200.1	05-21-91
LEAD	0.000 mg/L	200.1	05-21-91
MANGANESE	0.000 mg/L	200.1	05-21-91
NICKEL	0.000 mg/L	200.1	05-21-91
SILICA	0.000 mg/L	200.1	05-21-91
ZINC	0.000 mg/L	200.1	05-21-91

TEST RESULTS SUBJECT TO CONFIDENTIALITY AGREEMENT

John Morcio
LABORATORY MANAGER

LABORATORY REPORT NO. : 21691
PROJECT: PILE C-2
CUSTOMER SAMPLE DESCRIPTION: GRID # 54
DATE SAMPLED: MAY 4, 1992.
DATE RECEIVED AT LAB: MAY 4, 1992.
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: MAY 27, 1992.
REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO.: 21691
 PROJECT: PILE C-2
 SAMPLE IDENTIFICATION: GRID # 54
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

JOHN L. MORICO
 DIRECTOR

LABORATORY REPORT NO: 21691

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING

1000
1000
1000

LABORATORY REPORT NO. 21692

1000
1000
1000

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000

1000

1000

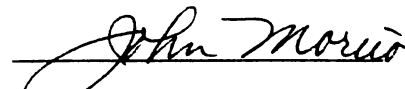
John Morio

1000

LABORATORY REPORT NO.: 21692
PROJECT: PILE C-2
SAMPLE IDENTIFICATION: GRID # 57
DATE SAMPLED: MAY 4, 1992.
DATE RECEIVED AT LAB: MAY 4, 1992.
SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
O-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR

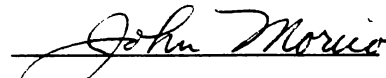
LABORATORY REPORT NO. : 21692
 PROJECT: PILE C-2
 CUSTOMER SAMPLE DESCRIPTION: GRID # 57
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MAY 27, 1992.
 REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO: 21692

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.



JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

TEST FROM LYCOMING

LABORATORY REPORT NO. 21695

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
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John Morcio
Director of Operations


LABORATORY REPORT NO. : 21695
 PROJECT: PILE C-2
 CUSTOMER SAMPLE DESCRIPTION: GRID # 135
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MAY 27, 1992.
 REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO: 21695

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

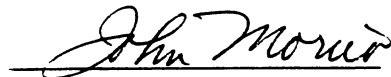
ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21695
 PROJECT: PILE C-2
 SAMPLE IDENTIFICATION: GRID # 135
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.



JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMINE

LABORATORY REPORT NO. 21697

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
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THIS ANALYSIS IS QUANTITATIVE - See attached HPLC REPORT

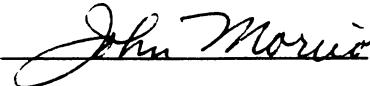
John Morio

LABORATORY MANAGER

LABORATORY REPORT NO: 21697

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR

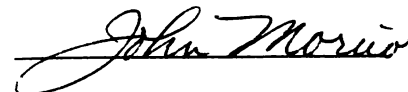
LABORATORY REPORT NO. : 21697
 PROJECT: PILE C-2
 CUSTOMER SAMPLE DESCRIPTION: GRID # 142
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MAY 27, 1992.
 REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
CAT-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO.: 21697
 PROJECT: PILE C-2
 SAMPLE IDENTIFICATION: GRID # 142
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.



JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH-0432

TEXTROM LYCOMING
1000
1000
1000

LABORATORY REPORT NO. 21699

DATE: 10/10/97
TIME: 10:00 AM
LOCATION: 1000

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
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John Morano
Director of Operations

LABORATORY REPORT NO: 21699

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John Morico
 JOHN L. MORICO
 DIRECTOR

LABORATORY REPORT NO. : 21699
 PROJECT: PILE C-2
 CUSTOMER SAMPLE DESCRIPTION: GRID # 173
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MAY 27, 1992.
 REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO.: 21699
 PROJECT: PILE C-2
 SAMPLE IDENTIFICATION: GRID # 173
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.



JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING

1000 Main Street
Hamden, CT 06517
Tel: (203) 281-6290

LABORATORY REPORT NO. 21700

1000 Main Street
Hamden, CT 06517
Tel: (203) 281-6290

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE OF ANALYSIS
COBALT	0.001 mg/L	801.1	05-21-91
COPPER	0.001 mg/L	803.1	05-21-91
CHROMIUM	0.001 mg/L	801.1	05-21-91
IRON	0.001 mg/L	801.1	05-21-91
LEAD	0.001 mg/L	801.1	05-21-91
MANGANESE	0.001 mg/L	801.1	05-21-91
NICKEL	0.001 mg/L	801.1	05-21-91
SILVER	0.001 mg/L	801.1	05-21-91


1000 Main Street Hamden, CT 06517 Tel: (203) 281-6290

John Morici
John Morici, Director

LABORATORY REPORT NO: 21700

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR

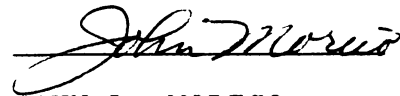
LABORATORY REPORT NO. : 21700
 PROJECT: PILE C-2
 CUSTOMER SAMPLE DESCRIPTION: GRID # 190
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MAY 27, 1992.
 REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO.: 21700
 PROJECT: PILE C-2
 SAMPLE IDENTIFICATION: GRID # 190
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.


 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432


LABORATORY REPORT NO. : 21701
 PROJECT: PILE C-2
 CUSTOMER SAMPLE DESCRIPTION: TRIP BLANK
 DATE SAMPLED: MAY 4, 1992.
 DATE RECEIVED AT LAB: MAY 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: MAY 27, 1992.
 REPORT DATE: MAY 28, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00

LABORATORY REPORT NO: 21701

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.



JOHN L. MORICO
DIRECTOR

LABORATORY REPORT NO.: 21701
PROJECT: PILE C - 2
SAMPLE IDENTIFICATION: TRIP BLANK
DATE SAMPLED: MAY 04, 1992.
DATE RECEIVED AT LAB MAY 04, 1992.
SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MAY 27, 1992.

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497

20 JAN 1992

RE: PILE D ANALYSES

This summary report is based on samples collected on 26 September 1991 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 7420
USEPA TCLP 7190

Total Gross Metals: USEPA SW-846 7420
USEPA SW-846 7190

Total Petroleum Hydrocarbons: USEPA 416.1
SW-846 9071

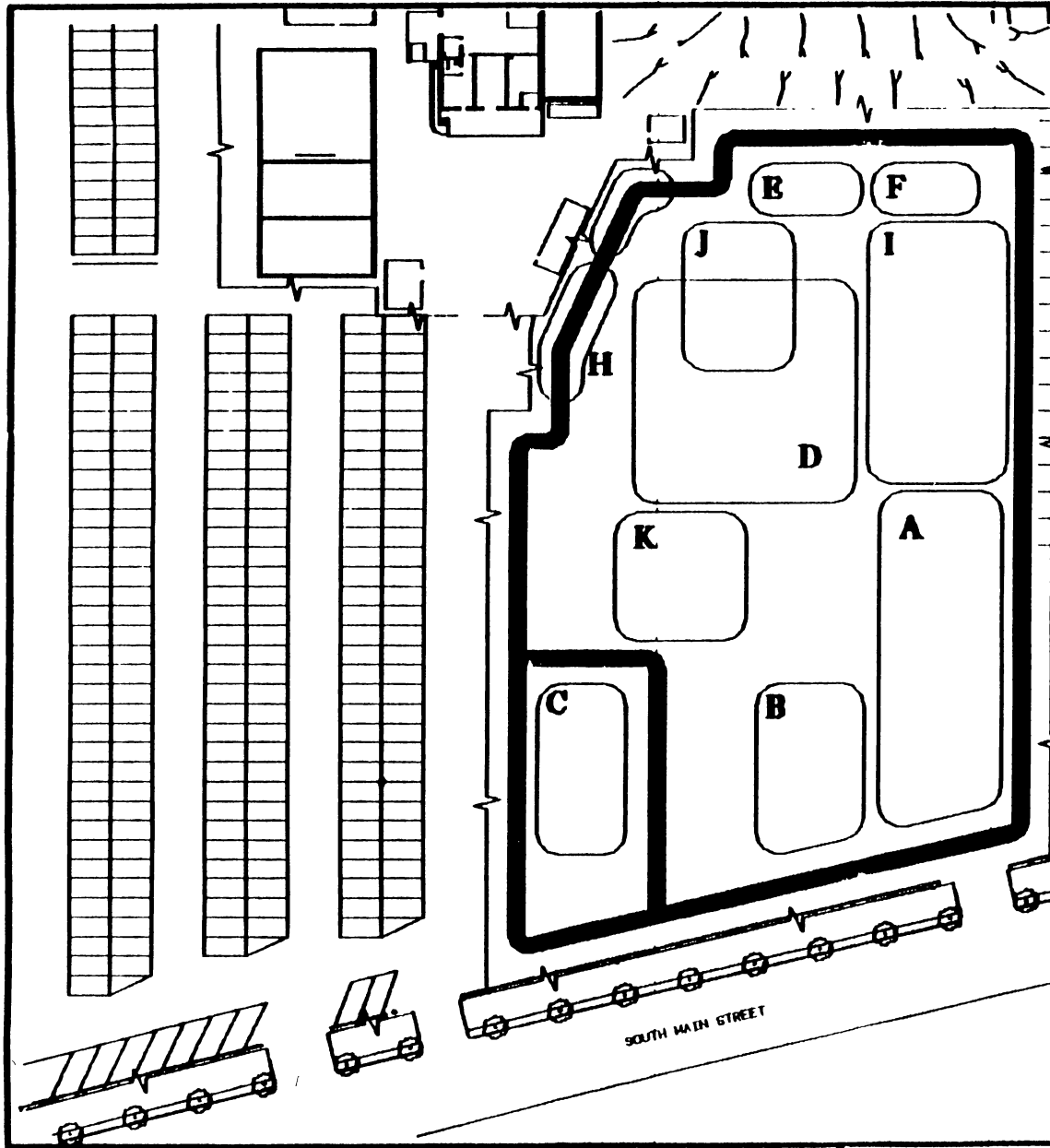
Field Blank (VOC): USEPA 602

VOC's: USEPA 8010
USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.

Attachments: Overall site location map
Individual pile random sample grid
Summary and Statistical Analysis Report
Individual Sample Reports

John Morico
JOHN MORICO
DIRECTOR

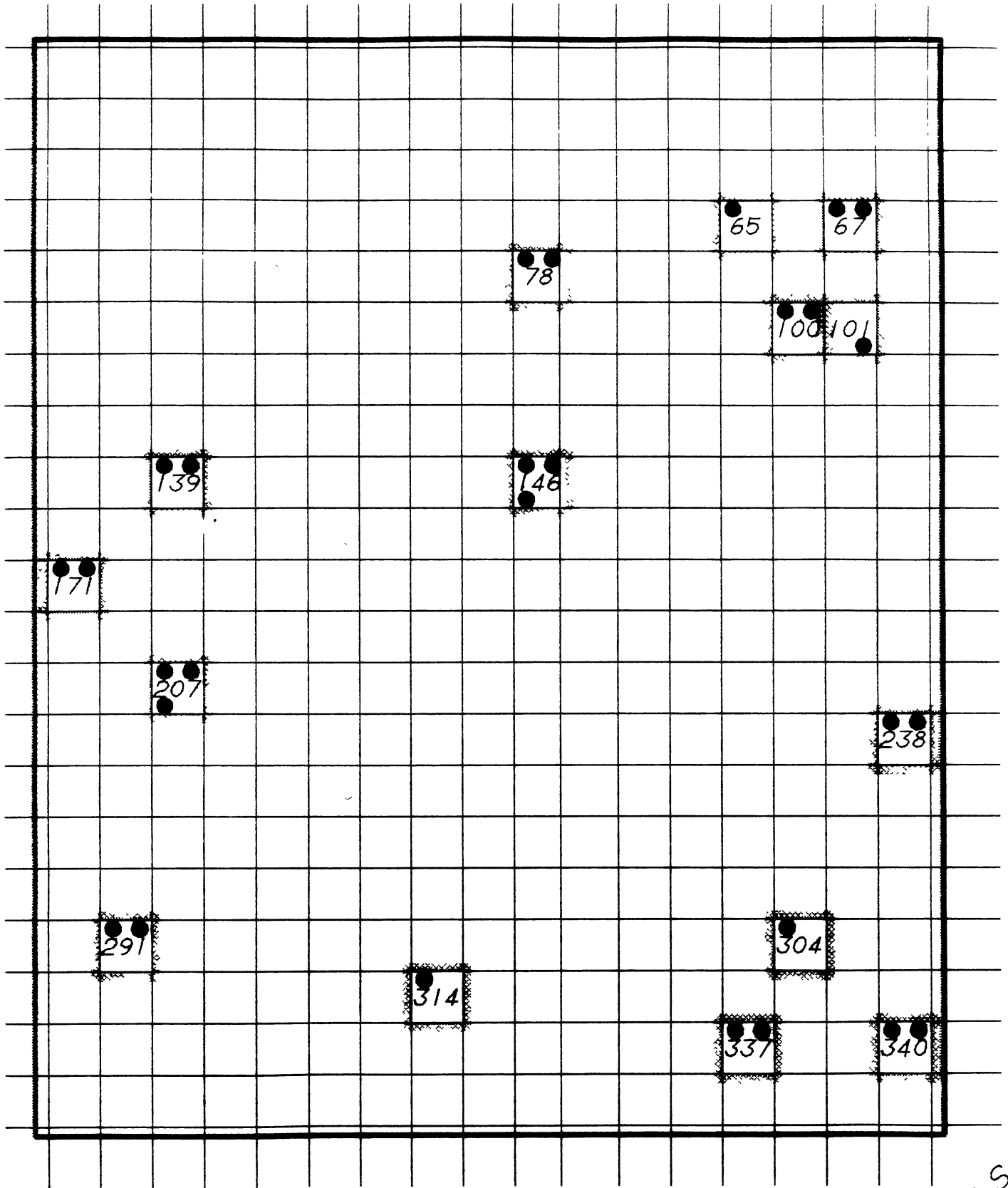


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-06	
DWG TITLE		SOIL SAMPLE PLAN	
SHOT SIZE	SCALE	DATE	10/91
	TEXTON Lyeomg		
	650 MAIN STREET STRATFORD CT 06457		
PLANT ENGINEERING		DRAWN BY	BARBCKEN
		CHECKED	
		MANAGER	J. BONDYATSKAS
		FOR CH. PLANT ENGR	R. DENNIS
		DATE	10/1/91
		FIELD POINT	
APPROVED	DATE	APPROVED	DATE



RANDOM SAMPLE GRID PILE D
128' X 105'
(6' X 6' GRID)

SAMPLE KEY

METALS
TPH
VOC
ALL

TEXTRON Lycoming SAMPLE TRACKING CHART

LIFT LETTER **D**

PAGE 1 OF 2

GRID #	ANALYSIS TYPE					TCLP (CHR & LEAD) TPH & VD
	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TOTAL (GROSS) METALS CHROM & LEAD	TPH	VD	
65						
67			X	X		
78			X	X		
100				X		
161	X		X	X	X	
139			X	X		
146			X	X	X	
171			X	X		
207			X	X	X	
238			X	X		
291			X	X	X	
304			X		X	
TOTAL						
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST						
TOTAL COST						
COLLECTION COST						
TOTAL COST THIS LIFT						

TEXTRON Lycoming SAMPLE TRACKING CHART

LIFT LETTER **D**

ANALYSIS TYPE						
GRID #	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TOTAL (GROSS) METALS CHROM & LEAD	TPH	VO	TCLP (CHR & LEAD) TPH & VO
314			X		X	
337				X		
340			X	X		
TRIP BLANK					X	
FIELD BLANK					X	
TOTAL	1	0	12	12	8	0
COST PER SAMPLE	<i>85 00</i>	<i>145 00</i>	<i>345 00</i>	<i>40 00</i>	<i>130 00</i>	<i>250 00</i>
SUB TOTAL COST	85	0	420	480	1040	0
TOTAL COST	2,025					
COLLECTION COST	875					
TOTAL COST THIS LIFT	2,900					



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CT Registration No PH-0432

* FILE D *

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING (SOUTH LOT SOIL)

=====

PO #H346837

VOC (R.T.=700)
1,1-DICHLOROETHENE

MEANS	947 ug/Kg
STANDARD DEVIATION	332
VARIANCE	110224
95 % CONFIDENCE INTERVAL	947 ug/Kg +/- 825
NUMBER OF SAMPLES COLLECTED	- 3
NUMBER OF SAMPLES ANALYSED	3
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	8
RANGE	653 ug/Kg
STUDENT'S t VALUE (95%)	+/- 4.303
TCLP FEDERAL LIMIT	700
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	POSSIBLE TOXICITY



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CT Registration No PH-0432

* FILE D *

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING (SOUTH LOT SOIL)

=====
PO #H346837

	<u>TCLP LEAD</u>	<u>TCLP CHROMIUM</u>
MEANS	0.23 ug/g	0.027 ug/g
STANDARD DEVIATION	-----	-----
VARIANCE	-----	-----
95 % CONFIDENCE INTERVAL	-----	-----
NUMBER OF SAMPLES COLLECTED	1	1
NUMBER OF SAMPLES ANALYSED	1	1
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	-----	-----
RANGE	-----	-----
STUDENT'S t VALUE (95%)	-----	-----
TCLP FEDERAL LIMIT TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	5 NON-HAZARDOUS	5 NON-HAZARDOUS



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* FILE D *

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING (SOUTH LOT SOIL)

- PO #H346837

	TOTAL GROSS LEAD	TOTAL GROSS CHROMIUM	TOTAL PETROLEUM HYDROCARBON
MEANS:	23.31 ug/g	22.15 ug/g	313 ug/g
STANDARD DEVIATION:	2.91	2.71	147
VARIANCE:	8.48	7.34	21,609
95 % CONFIDENCE INTERVAL	23.31 ug/g +/-1.96	22.15 ug/g +/-1.82	313 ug/g +/-98.7
NUMBER OF SAMPLES COLLECTED	14	14	12
NUMBER OF SAMPLES ANALYSED	11	11	12
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	10	11	11
RANGE	8.94 ug/g	9.74 ug/g	385 ug/g
STUDENT'S t VALUE (95%)	+/- 2.234	+/- 2.227	+/-2.2374
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	-----	-----	NON-HAZARDOUS



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CT Registration No. PH-0432

* FILE D *

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING (SOUTH LOT SOIL)
=====

PO #H346837

VOC (R.T.=700)
1,1-DICHLOROETHENE

MEANS	947 ug/Kg
STANDARD DEVIATION	332
VARIANCE	110224
95 % CONFIDENCE INTERVAL	947 ug/Kg +/- 825
NUMBER OF SAMPLES COLLECTED	3
NUMBER OF SAMPLES ANALYSED	3
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	8
RANGE	653 ug/Kg
STUDENT'S t VALUE (95%)	+/- 4.303
TCLP FEDERAL LIMIT	700
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	POSSIBLE TOXICITY*

*These results are based upon GROSS VOC analysis and NOT TCLP. Subsequent analyses for all other piles will be performed by TCLP Extraction (ZHE) procedures.



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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
ATTN: James Rutstadtler

LABORATORY REPORT NO. 20953-20966

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID FILE D
DATE COLLECTED: NOV 26, 1991
TIME\DATE RECEIVED: 4:00 PM NOV 22, 1991
REPORT DATE: DEC 19, 1991

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM</u> <u>HYDROCARBON</u>
(20966) #67	187 ug/g
(20965) #78	188 ug/g
✓ (20964) #100	206 ug/g
(20963) #101	558 ug/g
(20962) #139	188 ug/g
(20961) #146	135 ug/g
✓ (20960) #171	388 ug/g
(20959) #207	334 ug/g

* TEST METHOD= USEPA 418.1, SW 846 9071
ANALYZED 11/30/91-12/19/91


LABORATORY REPORT NO. 20953-20966

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID FILE D
DATE COLLECTED: NOV 26, 1991
TIME\DATE RECEIVED: 4:00 PM NOV 22, 1991
REPORT DATE: DEC 19, 1991

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM</u>	
	<u>HYDROCARBON</u>	
(20958) #238	300	ug/g
(20957) #291	690	ug/g
(20954) #337	520	ug/g
✓ (20953) #340	443	ug/g

* TEST METHOD= USEPA 418.1, SW 846 9071
ANALYZED 11/30/91-12/19/91

ALL SAMPLES FROM GRID FILE D WILL BE STORED IN THE LAB UNTIL
30 DAYS FROM REPORT DATE



JOHN MORICO,
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
ATTN: James Rutstadtler

LABORATORY REPORT NO. 20954-20966

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID PILE D
DATE COLLECTED: NOV 26, 1991
TIME\DATE RECEIVED: 4:00 PM NOV 22, 1991
REPORT DATE: DEC 06, 1991

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>	
(20966) #67	186.9	ug/g
(20965) #78	188.1	ug/g
(20963) #101	558.0	ug/g
(20962) #139	187.5	ug/g
(20961) #146	134.5	ug/g
(20959) #207	333.9	ug/g

* TEST METHOD= USEPA 418.1, SW 846 9071 ANALYZED 12/05/91

LABORATORY REPORT NO. 20954-20966

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID FILE D
DATE COLLECTED: NOV 26, 1991
TIME\DATE RECEIVED: 4:00 PM NOV 22, 1991
REPORT DATE: DEC 06, 1991

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>
(20958) #238	300 ug/g
(20957) #291	690 ug/g
(20954) #337	520 ug/g

* TEST METHOD= USEPA 418.1, SW 846 9071 ANALYZED 11/30/91

ALL SAMPLES FROM GRID FILE D WILL BE STORED IN THE LAB UNTIL
30 DAYS FROM REPORT DATE

John Morico
(J.M.)
JOHN MORICO,
DIRECTOR



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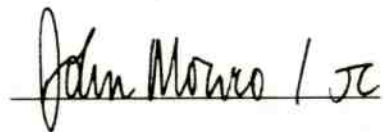
CT Registration No PH-0432

LABORATORY REPORT NO.: **20955**
 PROJECT: Pile D
 SAMPLE IDENTIFICATION: Grid 314
 DATE SAMPLED: Nov 26, 1991
 DATE RECEIVED AT LAB: Nov 26, 1991
 SAMPLE PREPARATION: Purge & Trap / Methanol Extraction
 USEPA TEST METHOD: **8021**
 DATE OF ANALYSIS: Nov 29, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
BENZENE	209	50
BROMOBENZENE	< 50	50
BROMOCHLOROMETHANE	< 50	50
BROMODICHLOROMETHANE	< 50	50
BROMOFORM	< 50	50
BROMOMETHANE	< 50	50
n-BUTYL BENZENE	< 50	50
sec-BUTYL BENZENE	< 50	50
tert-BUTYL BENZENE	< 50	50
CARBON TETRACHLORIDE	< 50	50
CHLOROBENZENE	< 50	50
CHLOROETHANE	< 50	50
CHLOROFORM	< 50	50
CHLOROMETHANE	< 50	50
2-CHLOROTOLUENE	< 50	50
4-CHLOROTOLUENE	< 50	50
DIBROMOCHLOROMETHANE	< 50	50
1,2-DIBROMO-3-CHLOROPROPANE	< 50	50
1,2-DIBROMOETHANE	< 50	50
DIBROMOMETHANE	< 50	50
1,2-DICHLOROBENZENE	< 50	50
1,3-DICHLOROBENZENE	< 50	50
1,4-DICHLOROBENZENE	< 50	50
DICHLORODIFLUOROMETHANE	< 50	50

LABORATORY REPORT NO.: 20955

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
1,1-DICHLOROETHANE	< 50	50
1,2-DICHLOROETHANE	< 50	50
1,1-DICHLOROETHENE	< 50	50
cis-1,2-DICHLOROETHENE	< 50	50
trans-1,2-DICHLOROETHENE	< 50	50
1,2-DICHLOROPROPANE	< 50	50
1,3-DICHLOROPROPANE	< 50	50
2,2-DICHLOROPROPANE	< 50	50
1,1-DICHLOROPROPENE	< 50	50
ETHYL BENZENE	< 50	50
HEXACHLOROBUTADIENE	< 50	50
ISOPROPYLBENZENE	< 50	50
p-ISOPROPYLTOLUENE	< 50	50
METHYLENE CHLORIDE	< 50	50
NAPHTHALENE	< 50	50
n-PROPYLBENZENE	< 50	50
STYRENE	< 50	50
1,1,2,2-TETRACHLOROETHANE	< 50	50
1,1,1,2-TETRACHLOROETHANE	< 50	50
TETRACHLOROETHENE	< 50	50
TOLUENE	737	50
1,2,3-TRICHLOROBENZENE	< 50	50
1,2,4-TRICHLOROBENZENE	< 50	50
1,1,1-TRICHLOROETHANE	< 50	50
1,1,2-TRICHLOROETHANE	< 50	50
TRICHLOROETHENE	< 50	50
TRICHLOROFLUOROMETHANE	< 50	50
1,2,3-TRICHLOROPROPANE	< 50	50
1,2,4-TRIMETHYL BENZENE	< 50	50
1,3,5-TRIMETHYL BENZENE	< 50	50
VINYL CHLORIDE	< 50	50
o-XYLENE	< 50	50
m-XYLENE	< 50	50
p-XYLENE	< 50	50



JOHN L. MORICO,
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: **20956**
 PROJECT: Pile D
 SAMPLE IDENTIFICATION: Grid 304
 DATE SAMPLED: Nov 26, 1991
 DATE RECEIVED AT LAB: Nov 26, 1991
 SAMPLE PREPARATION: Purge & Trap / Methanol Extraction
 USEPA TEST METHOD: **8021**
 DATE OF ANALYSIS: Nov 29, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
BENZENE	684	50
BROMOBENZENE	< 50	50
BROMOCHLOROMETHANE	< 50	50
BROMODICHLOROMETHANE	< 50	50
BROMOFORM	< 50	50
BROMOMETHANE	< 50	50
n-BUTYL BENZENE	< 50	50
sec-BUTYL BENZENE	< 50	50
tert-BUTYL BENZENE	< 50	50
CARBON TETRACHLORIDE	< 50	50
CHLOROBENZENE	< 50	50
CHLOROETHANE	< 50	50
CHLOROFORM	< 50	50
CHLOROMETHANE	< 50	50
2-CHLOROTOLUENE	< 50	50
4-CHLOROTOLUENE	< 50	50
DIBROMOCHLOROMETHANE	< 50	50
1,2-DIBROMO-3-CHLOROPROPANE	< 50	50
1,2-DIBROMOETHANE	< 50	50
DIBROMOMETHANE	< 50	50
1,2-DICHLOROBENZENE	< 50	50
1,3-DICHLOROBENZENE	< 50	50
1,4-DICHLOROBENZENE	< 50	50
DICHLORODIFLUOROMETHANE	< 50	50

LABORATORY REPORT NO.: 20956

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
1,1-DICHLOROETHANE	< 50	50
1,2-DICHLOROETHANE	< 50	50
1,1-DICHLOROETHENE	< 50	50
cis-1,2-DICHLOROETHENE	< 50	50
trans-1,2-DICHLOROETHENE	< 50	50
1,2-DICHLOROPROPANE	< 50	50
1,3-DICHLOROPROPANE	< 50	50
2,2-DICHLOROPROPANE	< 50	50
1,1-DICHLOROPROPENE	< 50	50
ETHYL BENZENE	< 50	50
HEXACHLOROBUTADIENE	< 50	50
ISOPROPYLBENZENE	< 50	50
p-ISOPROPYLTOLUENE	< 50	50
METHYLENE CHLORIDE	< 50	50
NAPHTHALENE	< 50	50
n-PROPYLBENZENE	< 50	50
STYRENE	< 50	50
1,1,2,2-TETRACHLOROETHANE	< 50	50
1,1,1,2-TETRACHLOROETHANE	< 50	50
TETRACHLOROETHENE	< 50	50
TOLUENE	832	50
1,2,3-TRICHLOROBENZENE	< 50	50
1,2,4-TRICHLOROBENZENE	< 50	50
1,1,1-TRICHLOROETHANE	< 50	50
1,1,2-TRICHLOROETHANE	< 50	50
TRICHLOROETHENE	< 50	50
TRICHLOROFLUOROMETHANE	< 50	50
1,2,3-TRICHLOROPROPANE	< 50	50
1,2,4-TRIMETHYL BENZENE	< 50	50
1,3,5-TRIMETHYL BENZENE	< 50	50
VINYL CHLORIDE	< 50	50
o-XYLENE	< 50	50
m-XYLENE	< 50	50
p-XYLENE	< 50	50

John Morico / JC

JOHN L. MORICO,
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: **20957**
PROJECT: Pile D
SAMPLE IDENTIFICATION: Grid 291
DATE SAMPLED: Nov 26, 1991
DATE RECEIVED AT LAB: Nov 26, 1991
SAMPLE PREPARATION: Purge & Trap / Methanol Extraction
USEPA TEST METHOD: **8021**
DATE OF ANALYSIS: Nov 29, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
BENZENE	< 50	50
BROMOBENZENE	< 50	50
BROMOCHLOROMETHANE	< 50	50
BROMODICHLOROMETHANE	< 50	50
BROMOFORM	< 50	50
BROMOMETHANE	< 50	50
n-BUTYL BENZENE	< 50	50
sec-BUTYL BENZENE	< 50	50
tert-BUTYL BENZENE	< 50	50
CARBON TETRACHLORIDE	< 50	50
CHLOROBENZENE	< 50	50
CHLOROETHANE	< 50	50
CHLOROFORM	< 50	50
CHLOROMETHANE	< 50	50
2-CHLOROTOLUENE	< 50	50
4-CHLOROTOLUENE	< 50	50
DIBROMOCHLOROMETHANE	< 50	50
1,2-DIBROMO-3-CHLOROPROPANE	< 50	50
1,2-DIBROMOETHANE	< 50	50
DIBROMOMETHANE	< 50	50
1,2-DICHLOROBENZENE	< 50	50
1,3-DICHLOROBENZENE	< 50	50
1,4-DICHLOROBENZENE	< 50	50
DICHLORODIFLUOROMETHANE	< 50	50



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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
ATTN: James Rutstadtler

LABORATORY REPORT NO. 20963

SAMPLE IDENTIFICATION: # 101
DATE COLLECTED: NOV 26, 1991
TIME\DATE RECEIVED: 5:15 PM NOV 26, 1991
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: FEB 13, 1992

<u>PARAMETER</u>	<u>RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
TOTAL GROSS LEAD	21.7 ug/g	200.7	2-3-92
TOTAL GROSS CHROMIUM	23.5 ug/g	200.7	2-3-92

John Morico [Signature]

JOHN MORICO,
DIRECTOR

LABORATORY REPORT NO.: 20957

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
1,1-DICHLOROETHANE	< 50	50
1,2-DICHLOROETHANE	< 50	50
1,1-DICHLOROETHENE	< 50	50
cis-1,2-DICHLOROETHENE	< 50	50
trans-1,2-DICHLOROETHENE	< 50	50
1,2-DICHLOROPROPANE	< 50	50
1,3-DICHLOROPROPANE	< 50	50
2,2-DICHLOROPROPANE	< 50	50
1,1-DICHLOROPROPENE	< 50	50
ETHYL BENZENE	170	50
HEXACHLOROBUTADIENE	< 50	50
ISOPROPYLBENZENE	< 50	50
p-ISOPROPYLTOLUENE	< 50	50
METHYLENE CHLORIDE	199	50
NAPHTHALENE	< 50	50
n-PROPYLBENZENE	< 50	50
STYRENE	< 50	50
1,1,2,2-TETRACHLOROETHANE	< 50	50
1,1,1,2-TETRACHLOROETHANE	< 50	50
TETRACHLOROETHENE	< 50	50
TOLUENE	755	50
1,2,3-TRICHLOROBENZENE	< 50	50
1,2,4-TRICHLOROBENZENE	< 50	50
1,1,1-TRICHLOROETHANE	< 50	50
1,1,2-TRICHLOROETHANE	< 50	50
TRICHLOROETHENE	< 50	50
TRICHLOROFLUOROMETHANE	< 50	50
1,2,3-TRICHLOROPROPANE	< 50	50
1,2,4-TRIMETHYL BENZENE	< 50	50
1,3,5-TRIMETHYL BENZENE	< 50	50
VINYL CHLORIDE	< 50	50
o-XYLENE	< 50	50
m-XYLENE	< 50	50
p-XYLENE	< 50	50

John Morico /JC

JOHN L. MORICO,
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

TEXTON LYCOMING

LABORATORY REPORT NO. 02953

John Morio



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO.: 20969
 PROJECT:
 SAMPLE IDENTIFICATION: TRIP BLANK
 DATE SAMPLED: NOV 26, 1991
 DATE RECEIVED AT LAB: NOV 26, 1991
 SAMPLE PREPARATION:
 USEPA TEST METHOD: 602
 DATE OF ANALYSIS: DEC 09, 1991

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	< 0.50	0.50
CHLOROBENZENE	< 0.50	0.50
1,2-DICHLOROBENZENE	< 0.50	0.50
1,3-DICHLOROBENZENE	< 0.50	0.50
1,4-DICHLOROBENZENE	< 0.50	0.50
ETHYL BENZENE	< 0.50	0.50
METHYL BENZENE (TOLUENE)	< 0.50	0.50
o-XYLENE	< 0.50	0.50
m,p-XYLENE	< 0.50	0.50

ANALYST:

JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

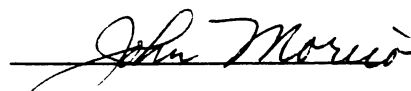
LABORATORY REPORT NO.: 20969
 DATE SAMPLED: NOV 26, 1991
 DATE RECEIVED AT LAB: NOV 26, 1991
 PROJECT:
 CUSTOMER SAMPLE DESCRIPTION: TRIP BLANK
 SAMPLE PREPARATION:
 EPA TEST METHOD: 601
 DATE OF ANALYSIS: DEC 09, 1991
 REPORT DATE: DEC 12, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 0.50	0.50
BROMOFORM	< 0.50	0.50
BROMOMETHANE	< 0.50	0.50
CARBON TETRACHLORIDE	< 0.50	0.50
CHLOROBENZENE	< 0.50	0.50
CHLOROETHANE	< 0.50	0.50
2-CHLOROETHYL VINYL ETHER	< 0.50	0.50
CHLOROFORM	< 0.50	0.50
CHLOROMETHANE	< 0.50	0.50
DIBROMOCHLOROMETHANE	< 0.50	0.50
1,2-DICHLOROBENZENE	< 0.50	0.50
1,3-DICHLOROBENZENE	< 0.50	0.50
1,4-DICHLOROBENZENE	< 0.50	0.50
1,1-DICHLOROETHANE	< 0.50	0.50
1,2-DICHLOROETHANE	< 0.50	0.50
1,1-DICHLOROETHENE	< 0.50	0.50
TRANS-1,2-DICHLOROETHENE	< 0.50	0.50
TRANS-1,3-DICHLOROPROPENE	< 0.50	0.50

LABORATORY REPORT NO: 20969

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	< 0.50	0.50
1,1,1,2-TETRACHLOROETHANE	< 0.50	0.50
TETRACHLOROETHENE	< 0.50	0.50
1,1,1-TRICHLOROETHANE	< 0.50	0.50
1,1,2-TRICHLOROETHANE	< 0.50	0.50
TRICHLOROETHENE	< 0.50	0.50
TRICHLOROFLUOROMETHANE	< 0.50	0.50
VINYL CHLORIDE	< 0.50	0.50
BENZYL CHLORIDE	< 0.50	0.50
BIS(2-CHLOROETHOXY)METHANE	< 0.50	0.50
BROMOBENZENE	< 0.50	0.50
1-CHLOROHEXANE	< 0.50	0.50
CHLOROMETHYL METHYL ETHER	< 0.50	0.50
2-CHLOROTOLUENE	< 0.50	0.50
4-CHLOROTOLUENE	< 0.50	0.50
DIBROMOMETHANE	< 0.50	0.50
DICHLORODIFLUOROMETHANE	< 0.50	0.50
DICHLOROMETHANE	< 0.50	0.50
1,2-DICHLOROPROPANE	< 0.50	0.50
1,2,3-TRICHLOROPROPANE	< 0.50	0.50

ANALYST: F.A.M.


 JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497
ATTN James Rutstadtler

LABORATORY REPORT NO. 20953-20966

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID PILE D
DATE COLLECTED: NOV 26, 1991
TIME\DATE RECEIVED: 4:00 PM NOV 26, 1991
SAMPLE PREPARATION: TOTAL GROSS METALS
REPORT DATE: DEC 05, 1991

<u>SAMPLE I.D.</u>	<u>LEAD*</u>	<u>CHROMIUM**</u>
(20966) #67	26.40 ug/g	21.52 ug/g
(20965) #73	19.02 ug/g	19.02 ug/g
(20962) #139	25.89 ug/g	22.63 ug/g
(20961) #146	26.19 ug/g	19.84 ug/g
(20960) #171	22.88 ug/g	22.18 ug/g
(20959) #207	20.43 ug/g	22.62 ug/g

* TEST METHOD = USEPA SW-846 7420 ANALYZED 12/04 /91
** TEST METHOD = USEPA SW-846 7190 ANALYZED 12/04 /91

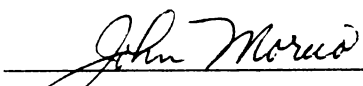
LABORATORY REPORT NO. 20953-20966

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID PILE D
DATE COLLECTED: NOV 26, 1991
TIME\DATE RECEIVED: 4:00 PM NOV 22, 1991
SAMPLE PREPARATION: TOTAL GROSS METALS

<u>SAMPLE I.D.</u>	<u>LEAD*</u>	<u>CHROMIUM**</u>
(20958) #238	22.47 ug/g	24.13 ug/g
(20957) #291	20.65 ug/g	22.24 ug/g
(20956) #304	21.30 ug/g	21.70 ug/g
(20955) #314	27.96 ug/g	28.76 ug/g
(20953) #340	23.24 ug/g	19.05 ug/g

* TEST METHOD = USEPA SW-846 7420 ANALYZED 12/04 /91
** TEST METHOD = USEPA SW-846 7190 ANALYZED 12/04 /91

SAMPLES #65, 100, 337 WILL BE HELD IN THE LAB UNTIL
30 DAYS FROM REPORT DATE



JOHN MORICO,
DIRECTOR



Clearwater Analytical Laboratories, Inc.

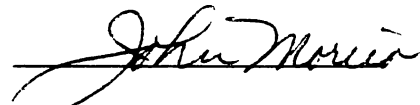
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CT Registration No. PH-0432

LABORATORY REPORT NO.: 20968
 PROJECT:
 SAMPLE IDENTIFICATION: FIELD BLANK
 DATE SAMPLED: NOV 26, 1991
 DATE RECEIVED AT LAB: NOV 26, 1991
 SAMPLE PREPARATION:
 USEPA TEST METHOD: 602
 DATE OF ANALYSIS: DEC 09, 1991

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	< 0.50	0.50
CHLOROBENZENE	< 0.50	0.50
1,2-DICHLOROBENZENE	< 0.50	0.50
1,3-DICHLOROBENZENE	< 0.50	0.50
1,4-DICHLOROBENZENE	< 0.50	0.50
ETHYL BENZENE	< 0.50	0.50
METHYL BENZENE (TOLUENE)	< 0.50	0.50
o-XYLENE	< 0.50	0.50
m,p-XYLENE	< 0.50	0.50

ANALYST:


 JOHN L. MORICO
 DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 20968
 DATE SAMPLED: NOV 26, 1991
 DATE RECEIVED AT LAB: NOV 26, 1991
 PROJECT:
 CUSTOMER SAMPLE DESCRIPTION: FIELD BLANK
 SAMPLE PREPARATION:
 EPA TEST METHOD: 601
 DATE OF ANALYSIS: DEC 09, 1991
 REPORT DATE: DEC 12, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	< 0.50	0.50
BROMOFORM	< 0.50	0.50
BROMOMETHANE	< 0.50	0.50
CARBON TETRACHLORIDE	< 0.50	0.50
CHLOROBENZENE	< 0.50	0.50
CHLOROETHANE	< 0.50	0.50
2-CHLOROETHYL VINYL ETHER	< 0.50	0.50
CHLOROFORM	< 0.50	0.50
CHLOROMETHANE	< 0.50	0.50
DIBROMOCHLOROMETHANE	< 0.50	0.50
1,2-DICHLOROBENZENE	< 0.50	0.50
1,3-DICHLOROBENZENE	< 0.50	0.50
1,4-DICHLOROBENZENE	< 0.50	0.50
1,1-DICHLOROETHANE	< 0.50	0.50
1,2-DICHLOROETHANE	< 0.50	0.50
1,1-DICHLOROETHENE	< 0.50	0.50
TRANS-1,2-DICHLOROETHENE	< 0.50	0.50
TRANS-1,3-DICHLOROPROPENE	< 0.50	0.50

LABORATORY REPORT NO: 20968

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	< 0.50	0.50
1,1,1,2-TETRACHLOROETHANE	< 0.50	0.50
TETRACHLOROETHENE	< 0.50	0.50
1,1,1-TRICHLOROETHANE	< 0.50	0.50
1,1,2-TRICHLOROETHANE	< 0.50	0.50
TRICHLOROETHENE	< 0.50	0.50
TRICHLOROFLUOROMETHANE	< 0.50	0.50
VINYL CHLORIDE	< 0.50	0.50
BENZYL CHLORIDE	< 0.50	0.50
BIS(2-CHLOROETHOXY)METHANE	< 0.50	0.50
BROMOBENZENE	< 0.50	0.50
1-CHLOROHEXANE	< 0.50	0.50
CHLOROMETHYL METHYL ETHER	< 0.50	0.50
2-CHLOROTOLUENE	< 0.50	0.50
4-CHLOROTOLUENE	< 0.50	0.50
DIBROMOMETHANE	< 0.50	0.50
DICHLORODIFLUOROMETHANE	< 0.50	0.50
DICHLOROMETHANE	< 0.50	0.50
1,2-DICHLOROPROPANE	1.23	0.50
1,2,3-TRICHLOROPROPANE	< 0.50	0.50

ANALYST: F.A.M.



JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

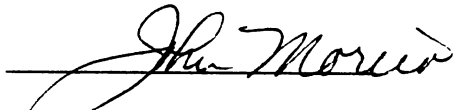
LABORATORY REPORT NO.: 20961
 DATE SAMPLED: NOV 26, 1991
 DATE RECEIVED AT LAB: NOV 26, 1991
 PROJECT:
 CUSTOMER SAMPLE DESCRIPTION: #146
 SAMPLE PREPARATION:
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: DEC 05, 1991
 REPORT DATE: DEC 09, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
BROMODICHLOROMETHANE	< 0.10	0.10
BROMOFORM	< 0.20	0.20
BROMOMETHANE	< 0.50	0.20
CARBON TETRACHLORIDE	< 0.12	0.12
CHLOROBENZENE	< 0.25	0.25
CHLOROETHANE	< 0.52	0.52
2-CHLOROETHYL VINYL ETHER	< 0.13	0.13
CHLOROFORM	< 0.05	0.05
CHLOROMETHANE	< 0.58	0.58
DIBROMOCHLOROMETHANE	< 0.09	0.09
1,2-DICHLOROBENZENE	< 0.15	0.15
1,3-DICHLOROBENZENE	< 0.32	0.32
1,4-DICHLOROBENZENE	240	0.24
1,1-DICHLOROETHANE	< 0.07	0.07
1,2-DICHLOROETHANE	< 0.03	0.03
1,1-DICHLOROETHENE	586	0.13
TRANS-1,2-DICHLOROETHENE	< 0.10	0.10
TRANS-1,3-DICHLOROPROPENE	< 0.34	0.34

LABORATORY REPORT NO: 20961

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
1,1,2,2-TETRACHLOROETHANE	< 0.03	0.03
1,1,1,2-TETRACHLOROETHANE	< 0.03	0.03
TETRACHLOROETHENE	54	0.03
1,1,1-TRICHLOROETHANE	4.9	0.03
1,1,2-TRICHLOROETHANE	56	0.02
TRICHLOROETHENE	< 0.12	0.12
TRICHLOROFLUOROMETHANE	< 0.20	0.20
VINYL CHLORIDE	< 0.18	0.18
BENZYL CHLORIDE	< 0.20	0.20
BIS (2-CHLOROETHOXY) METHANE	< 0.20	0.20
BROMOBENZENE	< 0.20	0.20
1-CHLOROHEXANE	< 0.20	0.20
CHLOROMETHYL METHYL ETHER	< 0.20	0.20
CHLOROTOLUENE	< 0.20	0.20
DIBROMOMETHANE	< 0.20	0.20
DICHLORODIFLUOROMETHANE	< 0.20	0.20
DICHLOROMETHANE	< 0.20	0.20
1,2-DICHLOROPROPANE	130	0.04
1,2,3-TRICHLOROPROPANE	< 0.20	0.20

ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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Registration No. PH-0432

MR. JAMES RUNSTADTLER
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

LABORATORY REPORT NO.: 20961
PROJECT:
SAMPLE IDENTIFICATION: 146
DATE SAMPLED: NOV 26, 1991
DATE RECEIVED AT LAB: NOV 26, 1991
SAMPLE PREPARATION:
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: DEC 05, 1991

PARAMETER	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
BENZENE	71	3.2
CHLOROBENZENE	141	1.3
1,2-DICHLOROBENZENE	< 2.8	2.8
1,3-DICHLOROBENZENE	31	2.3
1,4-DICHLOROBENZENE	< 0.6	0.6
ETHYL BENZENE	< 2.2	2.2
METHYL BENZENE (TOLUENE)	< 1.4	1.4
o-XYLENE	< 2.0	2.0
m,p-XYLENE	26	0.8

John Morico
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CT Registration No. PH-0432

MR. JAMES RUNSTADTLER
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

LABORATORY REPORT NO.: 20963
PROJECT:
SAMPLE IDENTIFICATION: 101
DATE SAMPLED: NOV 26, 1991
DATE RECEIVED AT LAB: NOV 26, 1991
SAMPLE PREPARATION:
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: DEC 05, 1991

PARAMETER	CONCENTRATION <i>(ug/Kg)</i>	DETECTION <i>LIMIT (ug/Kg)</i>
BENZENE	88	3.2
CHLOROBENZENE	172	1.3
1,2-DICHLOROBENZENE	6	2.8
1,3-DICHLOROBENZENE	30	2.3
1,4-DICHLOROBENZENE	< 0.6	0.6
ETHYL BENZENE	< 2.2	2.2
METHYL BENZENE (TOLUENE)	< 1.4	1.4
o-XYLENE	28	2.0
m,p-XYLENE	91	0.8

John Morico

JOHN L. MORICO
DIRECTOR



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CT Registration No. PH-0432

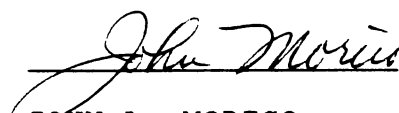
LABORATORY REPORT NO.: 20963
 DATE SAMPLED: NOV 26, 1991
 DATE RECEIVED AT LAB: NOV 26, 1991
 PROJECT:
 CUSTOMER SAMPLE DESCRIPTION: #101
 SAMPLE PREPARATION:
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: DEC 05, 1991
 REPORT DATE: DEC C 09, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
BROMODICHLOROMETHANE	< 0.10	0.10
BROMOFORM	< 0.20	0.20
BROMOMETHANE	< 0.50	0.20
CARBON TETRACHLORIDE	< 0.12	0.12
CHLOROETHANE	< 0.25	0.25
CHLOROETHANE	< 0.52	0.52
2-CHLOROETHYL VINYL ETHER	< 0.13	0.13
CHLOROFORM	< 0.05	0.05
CHLOROMETHANE	< 0.58	0.58
DIBROMOCHLOROMETHANE	< 0.09	0.09
1,2-DICHLOROBENZENE	< 0.15	0.15
1,3-DICHLOROBENZENE	< 0.32	0.32
1,4-DICHLOROBENZENE	< 0.24	0.24
1,1-DICHLOROETHANE	< 0.07	0.07
1,2-DICHLOROETHANE	< 0.03	0.03
1,1-DICHLOROETHENE	1,239	0.13
TRANS-1,2-DICHLOROETHENE	< 0.10	0.10
TRANS-1,3-DICHLOROPROPENE	128	0.34

LABORATORY REPORT NO: 20963

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
1,1,2,2-TETRACHLOROETHANE	< 0.03	0.03
1,1,1,2-TETRACHLOROETHANE	< 0.03	0.03
TETRACHLOROETHENE	< 0.03	0.03
1,1,1-TRICHLOROETHANE	8	0.03
1,1,2-TRICHLOROETHANE	42	0.02
TRICHLOROETHENE	< 0.12	0.12
TRICHLOROFLUOROMETHANE	< 0.20	0.20
VINYL CHLORIDE	< 0.18	0.18
BENZYL CHLORIDE	< 0.20	0.20
BIS(2-CHLOROETHOXY)METHANE	< 0.20	0.20
BROMOBENZENE	< 0.20	0.20
1-CHLOROHEXANE	< 0.20	0.20
CHLOROMETHYL METHYL ETHER	< 0.20	0.20
CHLOROTOLUENE	< 0.20	0.20
DIBROMOMETHANE	< 0.20	0.20
DICHLORODIFLUOROMETHANE	< 0.20	0.20
DICHLOROMETHANE	< 0.20	0.20
1,2-DICHLOROPROPANE	< 0.04	0.04
1,2,3-TRICHLOROPROPANE	< 0.20	0.20

ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

MR. JAMES RUNSTADTLER
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

LABORATORY REPORT NO.: 20959
PROJECT:
SAMPLE IDENTIFICATION: 207
DATE SAMPLED: NOV 26, 1991
DATE RECEIVED AT LAB: NOV 26, 1991
SAMPLE PREPARATION:
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: DEC 05, 1991

PARAMETER	CONCENTRATION <i>(ug/Kg)</i>	DETECTION <i>LIMIT (ug/Kg)</i>
BENZENE	110	3.2
CHLOROBENZENE	< 1.3	1.3
1,2-DICHLOROBENZENE	< 2.8	2.8
1,3-DICHLOROBENZENE	49	2.3
1,4-DICHLOROBENZENE	< 0.6	0.6
ETHYL BENZENE	60	2.2
METHYL BENZENE (TOLUENE)	< 1.4	1.4
o-XYLENE	378	2.0
m,p-XYLENE	< 0.8	0.8

JOHN L. MORICO
DIRECTOR



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CT Registrator No. PH-0432

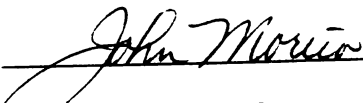
LABORATORY REPORT NO.: 20959
 DATE SAMPLED: NOV 26, 1991
 DATE RECEIVED AT LAB: NOV 26, 1991
 PROJECT:
 CUSTOMER SAMPLE DESCRIPTION: #207
 SAMPLE PREPARATION:
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: DEC 05, 1991
 REPORT DATE: DEC C 09, 1991

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
BROMODICHLOROMETHANE	< 0.10	0.10
BROMOFORM	< 0.20	0.20
BROMOMETHANE	< 0.50	0.20
CARBON TETRACHLORIDE	< 0.12	0.12
CHLOROBENZENE	5.6	0.25
CHLOROETHANE	< 0.52	0.52
2-CHLOROETHYL VINYL ETHER	< 0.13	0.13
CHLOROFORM	< 0.05	0.05
CHLOROMETHANE	< 0.58	0.58
DIBROMOCHLOROMETHANE	< 0.09	0.09
1,2-DICHLOROBENZENE	< 0.15	0.15
1,3-DICHLOROBENZENE	< 0.32	0.32
1,4-DICHLOROBENZENE	226	0.24
1,1-DICHLOROETHANE	< 0.07	0.07
1,2-DICHLOROETHANE	< 0.03	0.03
1,1-DICHLOROETHENE	1,016	0.13
TRANS-1,2-DICHLOROETHENE	< 0.10	0.10
TRANS-1,3-DICHLOROPROPENE	< 0.34	0.34

LABORATORY REPORT NO: 20959

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/Kg)</u>	<u>DETECTION</u> <u>LIMIT (ug/Kg)</u>
1,1,2,2-TETRACHLOROETHANE	< 0.03	0.03
1,1,1,2-TETRACHLOROETHANE	< 0.03	0.03
TETRACHLOROETHENE	286	0.03
1,1,1-TRICHLOROETHANE	< 0.03	0.03
1,1,2-TRICHLOROETHANE	< 0.03	0.02
TRICHLOROETHENE	< 0.12	0.12
TRICHLOROFLUOROMETHANE	< 0.20	0.20
VINYL CHLORIDE	< 0.18	0.18
BENZYL CHLORIDE	< 0.20	0.20
BIS(2-CHLOROETHOXY)METHANE	< 0.20	0.20
BROMOBENZENE	< 0.20	0.20
1-CHLOROHEXANE	< 0.20	0.20
CHLOROMETHYL METHYL ETHER	< 0.20	0.20
CHLOROTOLUENE	< 0.20	0.20
DIBROMOMETHANE	< 0.20	0.20
DICHLORODIFLUOROMETHANE	< 0.20	0.20
DICHLOROMETHANE	< 0.20	0.20
1,2-DICHLOROPROPANE	< 0.04	0.04
1,2,3-TRICHLOROPROPANE	< 0.20	0.20

ANALYST: F.A.M.


JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

14 APR 1992

RE: PILE E-1 ANALYSES

This summary report is based on samples collected on 04 March 1992 at Textron Lycoming (South Lot Holding Area) by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 7420
USEPA TCLP 7190

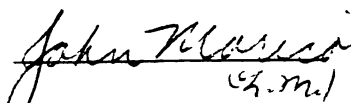
Total Gross Metals: USEPA SW-846 7420
USEPA SW-846 7190

Total Petroleum Hydrocarbons: USEPA 418.1
SW-846 9071

Field Blank (VOC): USEPA 602

VOC's: USEPA 8010
USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.


JOHN MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

PILE E - 1

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	TCLP ARSENIC	TCLP BARIUM	TCLP CADMIUM	TCLP CHROMIUM	TCLP LEAD
MEANS:	< 0.01	0.80	0.03	0.19	0.07
STANDARD DEVIATION:	- - -	0.08	<0.01	0.04	0.01
VARIANCE:	- - -	0.01	<0.01	<0.01	<0.01
95 % CONFIDENCE INTERVAL	- - -	0.80 +/- 0.13	0.03 +/- 0.003	0.19 +/- 0.06	0.07 +/- 0.016
NUMBER OF SAMPLES COLLECTED	7	7	7	7	7
NUMBER OF SAMPLES ANALYSED	4	4	4	4	4
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	4	4	4	4	4
RANGE	- - -	0.20	0.01	0.09	0.03
STUDENT'S t VALUE (95%)	- - -	3.250	0.46	3.00	3.20
TCLP FEDERAL LIMIT	5.0	100.0	1.0	5.0	5.0
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC	NON TOXIC



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CT Registration No. PH-0432
PILE E - 1

TEST RESULT SUMMARY AND
 STATISTICAL ANALYSIS OF TEST RESULTS
 FOR TEXTRON LYCOMING

=====

PO #H346837

ALL UNITS ARE MILLIGRAM PER LITER

=====

	<u>TCLP MERCURY</u>	<u>TCLP SELENIUM</u>	<u>TCLP SILVER</u>	<u>TOTAL PETROLEUM HYDROCARBONS</u>
MEANS	<0.01	<0.01	0.03	416
STANDARD DEVIATION	- - -	- - -	0.01	373
VARIANCE	- - -	- - -	<0.01	139,655
95 % CONFIDENCE INTERVAL	- - -	- - -	0.03 +/- 0.02	417 +/- 595
NUMBER OF SAMPLES COLLECTED	7	7	7	7
NUMBER OF SAMPLES ANALYSED	4	4	4	4
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	4	4	4	4
RANGE	- - -	- - -	0.03	963
STUDENT'S t VALUE (95%)	- - -	- - -	4.00	3.182
TCLP FEDERAL LIMIT	0.2	1.0	5.0	- - -
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON TOXIC	NON TOXIC	NON TOXIC	NON HAZARDOUS



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CT Registration No PH-0432

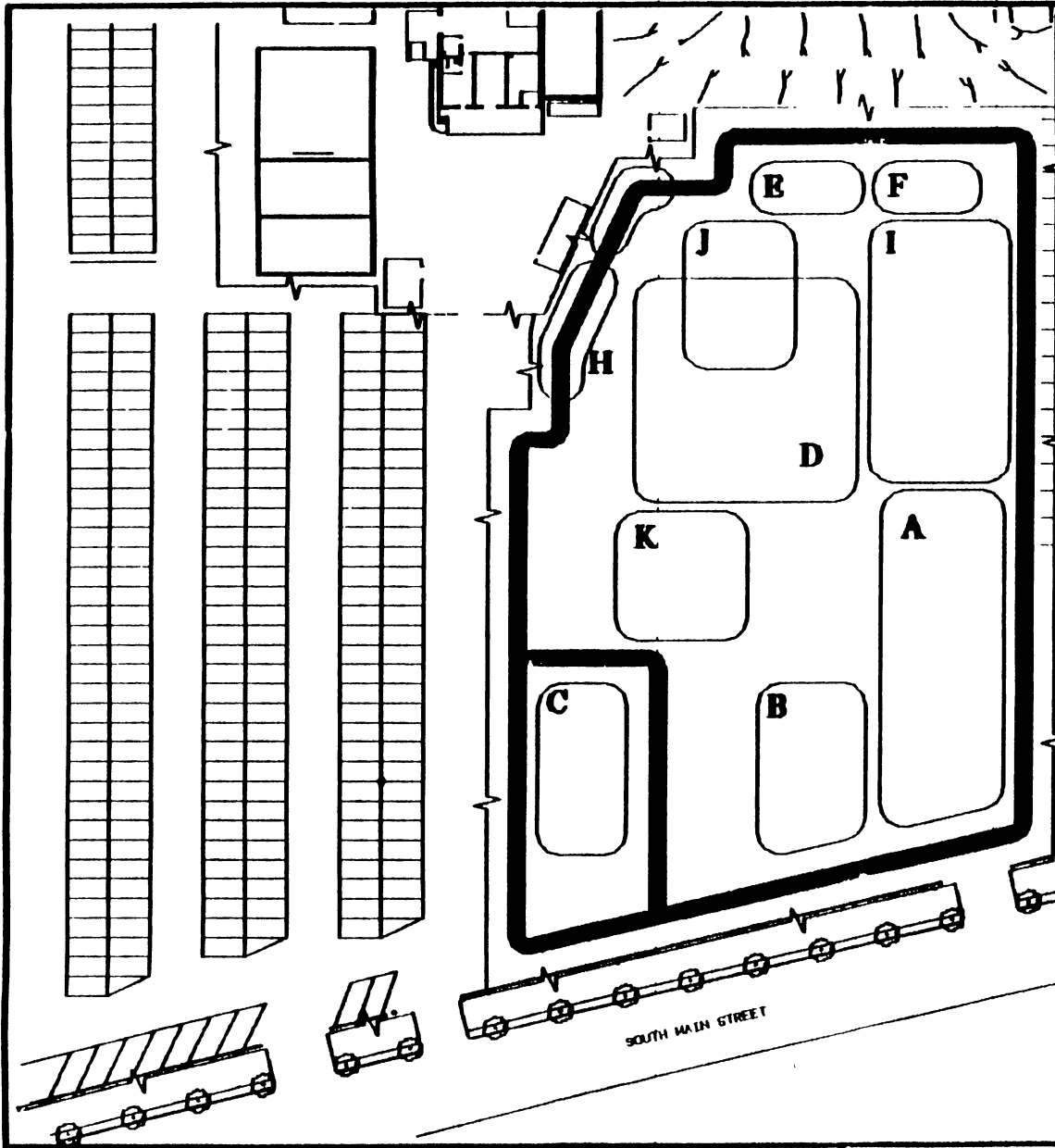
FILE E - 1

TEST RESULT SUMMARY AND
STATISTICAL ANALYSIS OF TEST RESULTS
FOR TEXTRON LYCOMING

=====
PO #H346837
=====

RE: VOLATILE ORGANICS (8010, 8020)

ALL RESULTS FOR ALL SAMPLES WERE BELOW DETECTION LIMITS

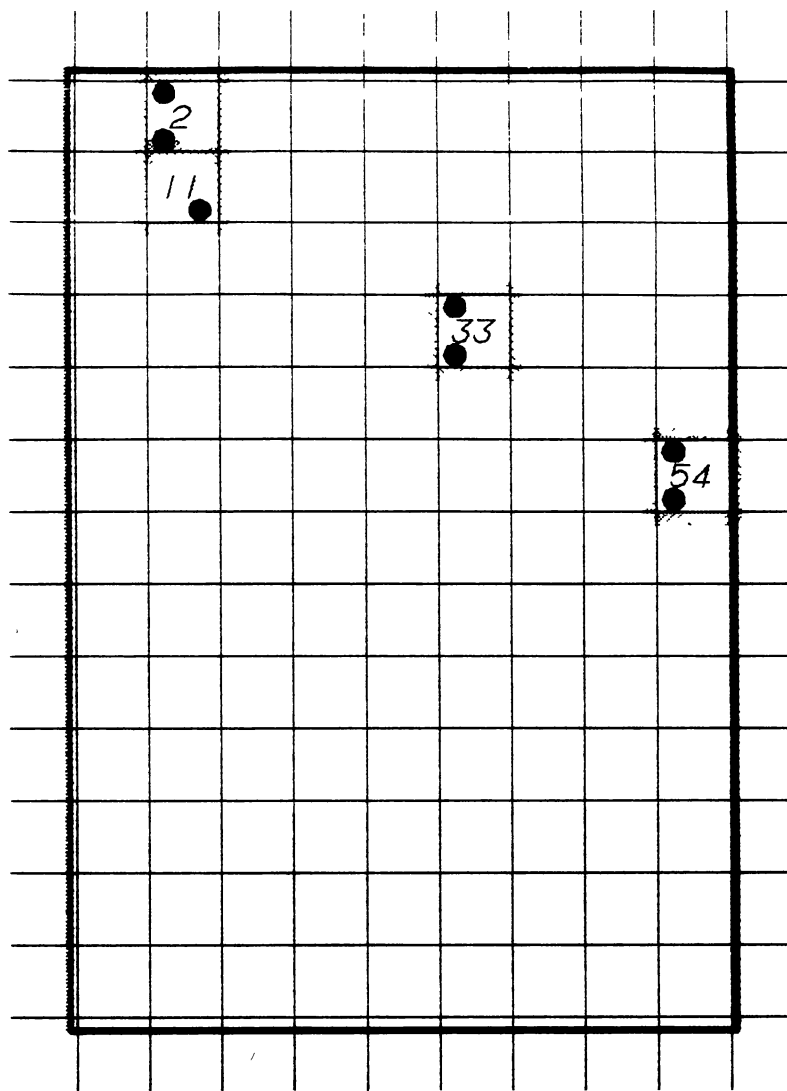


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-05	
DWG TITLE		SOIL SAMPLE PLAN	
DRW SIZE	SCALE	DATE	DRAWN BY
	1/32"=1'	10/91	D BARBOCK
TEXTON Lyeomg 650 MAIN STREET STRATFORD CT 06497		CHECKED	
		MANAGER J J BORDYATSKO SUPERVISOR R DENNIS	
PLANT ENGINEERING			
APPROVED	DATE	APPROVED	DATE
DRAWN NO		PLOT NO	



RANDOM SAMPLE GRID PILE E1
80' X 55'
(6' X 6' GRID)

SAMPLE KEY

●	●	METALS
●	●	TPH
●	●	VOC
●	●	ALL

TEXTRON Lycoming SAMPLE TRACKING CHART

LIFT LETTER **E1**

GRID #	ANALYSIS TYPE					
	TCLP EXT CHROMIUM & LEAD	TCLP EXT & METALS	TCLP EXT & METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
11			X	X		
54			X	X		
68			X	X		
97			X	X		
TOTAL	0	0	4	4	0	0
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST	0	0	1380	160	0	0
TOTAL COST	1,540					
COLLECTION COST	750					
TOTAL COST THIS LIFT	2,290					



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497
Attn: Dennis Babcock

LABORATORY REPORT TPH-GRID E-1

SAMPLE IDENTIFICATION: RANDOM SAMPLE GRID E-1
DATE COLLECTED: MAR 4, 1992
TIME\DATE RECEIVED: MAR 4, 1992
REPORT DATE: March 16, 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>
# 11 (21393)	229 mg/L
# 54 (21395)	1,050 mg/L
# 66 (21396)	300 mg/L
# 97 (21397)	83 mg/L

* TEST METHOD= USEPA 418.1 DATE ANALYZED 03-09-92

ALL SAMPLES FROM GRID FILE E-1 WILL BE STORED IN THE LAB
UNTIL 30 DAYS FROM REPORT DATE

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21393

SAMPLE IDENTIFICATION: RANDOM SAMPLE FILE E-1 GRID # 11
DATE COLLECTED: MAR 4, 1992
TIME\DATE RECEIVED: MAR 4, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01 mg/L	206.2	03-17-92
BARIUM	0.77 mg/L	200.7	03-17-92
CADMIUM	0.03 mg/L	200.7	03-17-92
CHROMIUM	0.20 mg/L	200.7	03-17-92
LEAD	0.05 mg/L	239.2	03-17-92
MERCURY	<0.01 mg/L	245.2	03-17-92
SELENIUM	<0.01 mg/L	270.2	03-17-92
SILVER	0.02 mg/L	200.7	03-17-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO. : 21393
PROJECT: PILE E-1
CUSTOMER SAMPLE DESCRIPTION: Grid # 11
DATE SAMPLED: MARCH 4, 1992.
DATE RECEIVED AT LAB: MARCH 4, 1992.
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030.
EPA TEST METHOD: 8010
DATE OF ANALYSIS: March 15, 1992.
REPORT DATE: March 30, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21393

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
J.L.M.
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21393
 PROJECT: PILE E-1
 SAMPLE IDENTIFICATION: GRID # 11
 DATE SAMPLED: MARCH 4, 1992.
 DATE RECEIVED AT LAB: MARCH 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 15, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21395

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-1 GRID # 54
DATE COLLECTED: MAR 4, 1992
TIME\DATE RECEIVED: MAR 4, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01 mg/L	206.2	03-17-92
BARIUM	0.94 mg/L	200.7	03-17-92
CADMIUM	0.02 mg/L	200.7	03-17-92
CHROMIUM	0.12 mg/L	200.7	03-17-92
LEAD	0.08 mg/L	239.2	03-17-92
MERCURY	<0.01 mg/L	245.2	03-17-92
SELENIUM	<0.01 mg/L	270.2	03-17-92
SILVER	0.05 mg/L	200.7	03-17-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO. : 21395
 PROJECT: PILE E-1
 CUSTOMER SAMPLE DESCRIPTION: Grid # 54
 DATE SAMPLED: MARCH 4, 1992.
 DATE RECEIVED AT LAB: MARCH 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 15, 1992.
 REPORT DATE: March 30, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLORO BENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21395

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21396

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-1 GRID # 66
DATE COLLECTED: MAR 4, 1992
TIME\DATE RECEIVED: MAR 4, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 2, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	<0.01 mg/L	206.2	03-17-92
BARIUM	0.74 mg/L	200.7	03-17-92
CADMIUM	0.03 mg/L	200.7	03-17-92
CHROMIUM	0.21 mg/L	200.7	03-17-92
LEAD	0.08 mg/L	239.2	03-17-92
MERCURY	<0.01 mg/L	245.2	03-17-92
SELENIUM	<0.01 mg/L	270.2	03-17-92
SILVER	0.02 mg/L	200.7	03-17-92

John Morico
(S.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21395
PROJECT: PILE E-1
SAMPLE IDENTIFICATION: GRID # 54
DATE SAMPLED: MARCH 4, 1992.
DATE RECEIVED AT LAB: MARCH 4, 1992.
SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 15, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registraton No PH-0432

LABORATORY REPORT NO. : 21396
 PROJECT: PILE E-1
 CUSTOMER SAMPLE DESCRIPTION: Grid # 66
 DATE SAMPLED: MARCH 4, 1992.
 DATE RECEIVED AT LAB: MARCH 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 15, 1992.
 REPORT DATE: March 30, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO: 21396

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(L. Mor.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21396
 PROJECT: PILE E-1
 SAMPLE IDENTIFICATION: GRID # 66
 DATE SAMPLED: MARCH 4, 1992.
 DATE RECEIVED AT LAB: MARCH 4, 1992.
 SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: MARCH 15, 1992.

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21397

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-1 GRID # 97
DATE COLLECTED: MAR 4, 1992
TIME\DATE RECEIVED: MAR 4, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 4, 1992

PARAMETER	RESULT	USEPA METHOD	DATE ANALYZED
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	03-17-92
BARIUM	0.76 mg/L	200.7	03-17-92
CADMIUM	0.02 mg/L	200.7	03-17-92
CHROMIUM	0.14 mg/L	200.7	03-17-92
LEAD	0.24 mg/L	239.2	03-17-92
MERCURY	< 0.01 mg/L	245.2	03-17-92
SELENIUM	< 0.01 mg/L	270.2	03-17-92
SILVER	0.03 mg/L	200.7	03-17-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO. : 21397
 PROJECT: PILE E-1
 CUSTOMER SAMPLE DESCRIPTION: Grid # 97
 DATE SAMPLED: MARCH 4, 1992.
 DATE RECEIVED AT LAB: MARCH 4, 1992.
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030.
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: March 15, 1992.
 REPORT DATE: March 30, 1992.

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21397

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(L. M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21397
PROJECT: PILE E-1
SAMPLE IDENTIFICATION: GRID # 97
DATE SAMPLED: MARCH 4, 1992.
DATE RECEIVED AT LAB: MARCH 4, 1992.
SAMPLE PRERARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: MARCH 15, 1992.

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

Mr. Dennis Babcock
TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497

07 JUL 1992

RE: PILE E-2 ANALYSES

This summary report is based on samples collected on May 04, 1992 at Textron Lycoming by C.P. Utility Services Company, a subcontractor to Clearwater Analytical Laboratories, Inc.

All collection and analyses were performed under Textron Lycoming Purchase Order #H346837.

Samples collected were analyzed for one or more of the following:

TCLP Extraction: USEPA TCLP 13XX

Total Petroleum Hydrocarbons: USEPA 418.1 SW-846 9071

Field Blank (VOC): USEPA 8010/8020

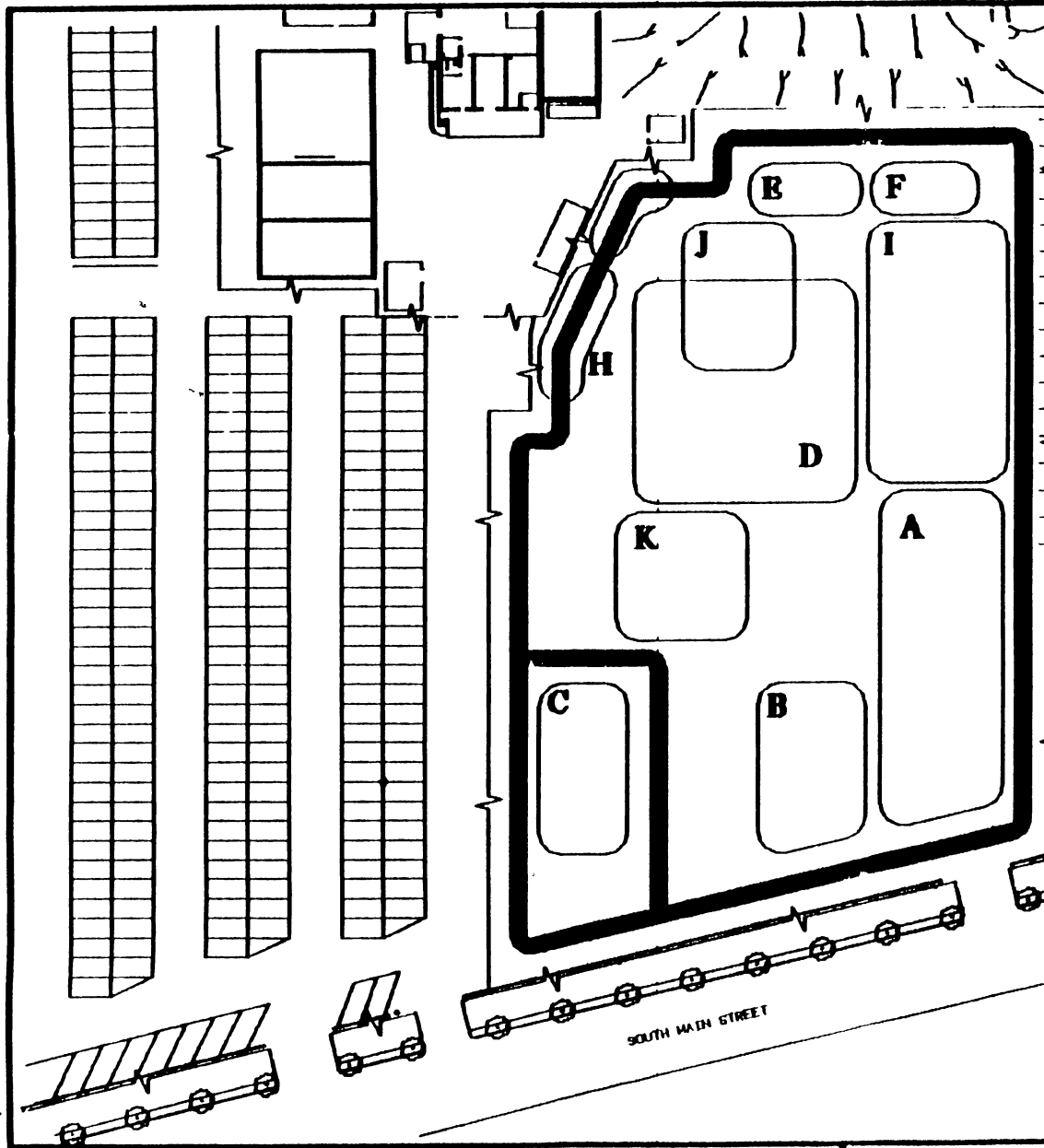
ZHE EXTRACTION (FOR VOC) ZHE EXTRACTION (FOR METALS)

VOC's: USEPA 8010 USEPA 8020

Sample grab locations and sample analysis requirements were randomly generated by Textron Lycoming to achieve a 95% confidence level for the entire soil segment being tested as per EPA SW-846, Vol II, Chapter Nine methods publication.

Attachments: Overall site location map
Individual pile random sample grid
Summary and Statistical Analysis Report
Individual Sample Reports

John Morico
(J.M.)
JOHN MORICO, DIRECTOR

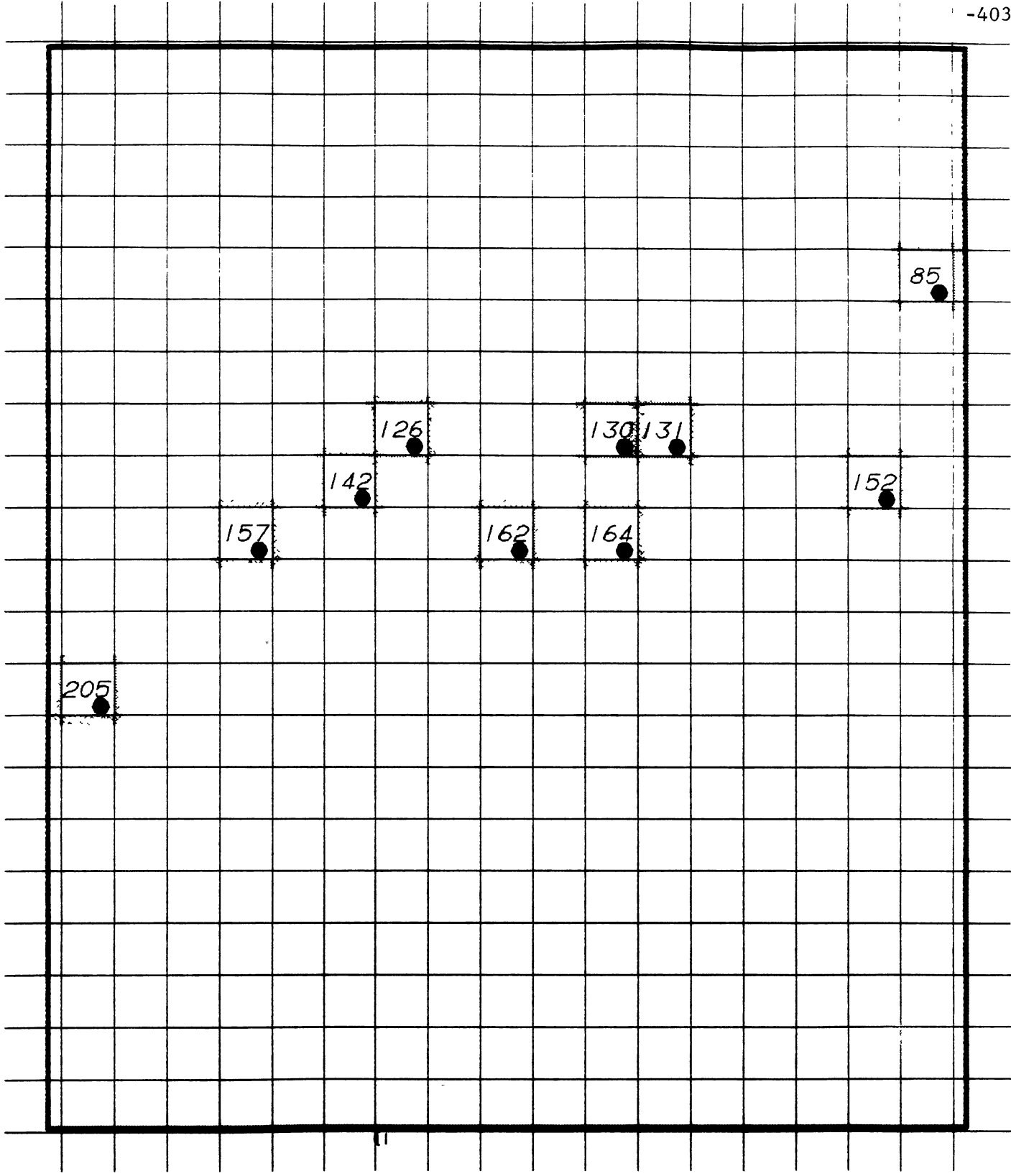


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256

EXAMPLE AREA D (12'X12' GRID)

NOTE PILES NOT TO SCALE

JOB TITLE		BUILDING-05	
DWG TITLE		SOIL SAMPLE PLAN	
DRW. SIZE	SCALE 1/32"=1'	DATE	10/91
TRAVIS Lycoming 650 MAIN STREET STRATHBROOK CT 06497		DRAWN BY	D. BARBOCK
		CHECKED	
PLANT ENGINEERING		DESIGNED BY	J. WICKIATYKUS
		FOR THE PLANT ENGR.	R. DENNIS
		DRW. 1 OF 1	DRW. 0
		FIELD POINT	
APPROVED	DATE	APPROVED	DATE
		DWG. NO.	



RANDOM SAMPLE GRID PILE E2
105' X 125'
(6' X 6' GRID)

SAMPLE KEY
● ● METALS
● ● TPH
● ● VOC
● ● ALL

ANALYSIS TYPE						
GRID #	TCLP EXT CHROMIUM & LEAD	TCLP EXT 8 METALS	TCLP EXT 8 METALS & V O	TPH	VO	TCLP (CHR & LEAD) TPH & VO
37			X	X		
61			X	X		
85			X	X		
126			X	X		
184			X	X		
205			X	X		
252			X	X		
284			X	X		
308			X	X		
322			X	X		
349			X	X		
TRIP BLANK					X	
TOTAL	0	0	11	11	1	0
COST PER SAMPLE	85 00	145 00	345 00	40 00	130 00	250 00
SUB TOTAL COST	0	0	3795	440	130	0
TOTAL COST	4 , 365					
COLLECTION COST	1 , 250					
TOTAL COST THIS LIFT	5 , 615					



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES, PILE E-2

	TPH	As	Ba	Cd	Cr
21454-#37	1,140.00	0.000	0.77	0.00	0.08
21455-#61	2,960.00	0.000	0.90	0.00	0.09
21456-#85	198.00	0.000	0.94	0.00	0.06
21457-#126	160.00	0.000	0.91	0.00	0.07
21451-#164	265.00	0.000	0.64	0.00	0.11
21450-#205	74.50	0.000	0.47	0.00	0.07
21461-#252	475.00	0.000	0.69	0.00	0.08
21462-#264	258.00	0.000	0.69	0.00	0.13
21463-#308	78.00	0.000	0.15	0.00	0.09
21464-#322	137.00	0.000	0.83	0.00	0.09
21465-#349	28.00	0.000	0.51	0.00	0.09
MEAN	524.86	0.00	0.68	0.00	0.09
STD DEV	825.13	0.00	0.22	0.00	0.02
VARIANCE	680,845.91	0.00	0.05	0.00	0.00
95% CONFIDENCE INTERVAL +/-	524.86 554.30	0.00 0.00	0.68 0.15	0.00 0.00	0.09 0.01
NUMBER OF SAMPLES COLLECTED	16.00	16.00	16.00	16.00	16.00
NUMBER OF SAMPLES ANALYSED	11.00	11.00	11.00	11.00	11.00
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	11.00	11.00	11.00	11.00	11.00
RANGE	2,932.00	0.00	0.47	0.00	0.05
STUDENT'S t VALUE	2.228	2.228	2.228	2.228	2.228
TOXICITY CHARACTERISTIC	NON- TOXIC	NON- TOXIC	NON- TOXIC	NON- TOXIC	NON- TOXIC



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CT Registration No PH-0432

STATISTICAL ANALYSIS OF TEXTRON SAMPLES, PILE E-2

	Pb	Hg	Se	Ag
21454-#37	0.03	0.00	0.00	0.00
21455-#61	0.08	0.00	0.00	0.00
21456-#85	0.01	0.00	0.00	0.00
21457-#126	0.03	0.00	0.00	0.00
21451-#164	0.04	0.00	0.00	0.00
21450-#205	0.05	0.00	0.00	0.00
21461-#252	0.00	0.00	0.00	0.00
21462-#264	0.02	0.00	0.00	0.00
21463-#308	0.09	0.00	0.00	0.00
21464-#322	0.13	0.00	0.00	0.00
21465-#349	0.09	0.00	0.00	0.00
MEAN	0.05	0.00	0.00	0.00
STD DEV	0.04	0.00	0.00	0.00
VARIANCE	0.00	0.00	0.00	0.00
95% CONFIDENCE	0.05	0.00	0.00	0.00
INTERVAL +/-	0.03	0.00	0.00	0.00
NUMBER OF SAMPLES COLLECTED	16.00	16.00	16.00	16.00
NUMBER OF SAMPLES ANALYSED	11.00	11.00	11.00	11.00
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	11.00	11.00	11.00	11.00
RANGE	0.08	0.00	0.00	0.00
STUDENT'S t VALUE	2.228	2.228	2.228	2.228
TOXICITY CHARACTERISTIC	NON- TOXIC	NON- TOXIC	NON- TOXIC	NON- TOXIC



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

* FILE E-2 *

TEST RESULT SUMMARY AND STATISTICAL ANALYSIS OF TEST RESULTS FOR TEXTRON LYCOMING

=====

PO #H346837

1.1 DICHLOROETHENE

MEANS	4.66 ug/L
STANDARD DEVIATION	3.87
VARIANCE	14.99
95 % CONFIDENCE INTERVAL	4.66 ug/L +/- 3.26
NUMBER OF SAMPLES COLLECTED	16
NUMBER OF SAMPLES ANALYSED	11
NUMBER OF SAMPLES FOR 95% CONFIDENCE INTERVAL	11
RANGE	12.15 ug/L
STUDENT'S t VALUE (95%)	2.228
TCLP FEDERAL LIMIT	700 ug/L
TOXICITY CHARACTERISTIC BASED ON FEDERAL LIMITS	NON-TOXIC

*These results are based upon TCLP ZERO HEADSPACE - VOC analysis.



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21450-21466

SAMPLE IDENTIFICATION: RANDOM SAMPLES PILE E-2
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: 3:30 pm MAR 13, 1992
REPORT DATE: MAR 20 1992

<u>SAMPLE I.D.</u>	<u>TOTAL PETROLEUM HYDROCARBON</u>	
# 37 - 21454	1,140	mg/L
# 61 - 21455	2,960	mg/L
# 85 - 21456	198	mg/L
# 126 - 21457	160	mg/L
# 164 - 21451	265	mg/L
# 205 - 21450	74.5	mg/L
# 252 - 21461	475	mg/L
# 264 - 21462	258	mg/L
# 308 - 21463	78	mg/L
# 322 - 21464	137.0	mg/L
# 349 - 21465	28	mg/L

* TEST METHOD= USEPA 418.1 DATE ANALYZED 03-18-92

John Morico
John Morico, Director



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21454

SAMPLE IDENTIFICATION. RANDOM SAMPLE PILE E-2, GRID #37
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: MAR 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.77 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.08 mg/L	200.7	04-01-92
LEAD	0.03 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21454
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #37
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	3.06	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21454

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21454
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #37
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21455

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-2, GRID # 61
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: MAR 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.90 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.09 mg/L	200.7	04-01-92
LEAD	0.08 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO. : 21455
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #61
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21455

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John Morico
(L.M.)

JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO.: 21455
 PROJECT: Pile E-2
 SAMPLE IDENTIFICATION: Grid #61
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
 (J.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
5 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21456

SAMPLE IDENTIFICATION: RANDOM SAMPLE FILE E-2, GRID # 85
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: MAR 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.94 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.06 mg/L	200.7	04-01-92
LEAD	0.01 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO. : 21456
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #85
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 9010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	12.15	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
CAT-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21456

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21456
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #85
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(J. M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0402

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21457

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-2, GRID # 126
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: MAR 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.91 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.07 mg/L	200.7	04-01-92
LEAD	0.03 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No PH-0432

LABORATORY REPORT NO. : 21457
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #126
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	6.47	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



Clearwater Analytical Laboratories, Inc.

Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO: 21457

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO.: 21457
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #126
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP PurSge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
L.J.M.
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497
ATTN: DENNIS BABCOCK

LABORATORY REPORT NO. 21451

SAMPLE IDENTIFICATION: RANDOM SAMPLE FILE E-2 GRID #162
TIME\DATE COLLECTED: MARCH 13, 1992
TIME\DATE RECEIVED: MARCH 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE OF ANALYSIS
TCLP			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.64 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	213.2	04-01-92
CHROMIUM	0.11 mg/L	200.7	04-01-92
LEAD	0.04 mg/L	237.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SENIENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	270.2	04-01-92

TCLP VOLATILE ORGANICS

SEE ATTACHED REPORT

John Morico

(x.m.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO. : 21451
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #162
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 192
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle Hamden Industrial Park • Hamden CT 06517 • 203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO: 21451

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO.: 21451
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #162
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • 203) 281-6290

CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, Ct 06497
ATTN: DENNIS BABCOCK

LABORATORY REPORT NO. 21450

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-2, GRID #205
TIME\DATE COLLECTED: MARCH 13, 1992
TIME\DATE RECEIVED: MARCH 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE OF ANALYSIS</u>
TCLP			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.47 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	213.2	04-01-92
CHROMIUM	0.07 mg/L	200.7	04-01-92
LEAD	0.05 mg/L	237.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	270.2	04-01-92

TCLP VOLATILE ORGANICS

SEE ATTACHED REPORT

John Morico
(S.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21450
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #205
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	5.86	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
CAT-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21450

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21450
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #205
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21461

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-2, GRID # 252

DATE COLLECTED: MAR 13, 1992

TIME\DATE RECEIVED: MAR 13, 1992

SAMPLE PREPARATION: TCLP EXTRACTION

REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.69 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.08 mg/L	200.7	04-01-92
LEAD	< 0.01 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
(S.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21461
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #252
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No PH-0432

LABORATORY REPORT NO: 21461

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	EDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico

 (J.M.)
 JOHN L. MORICO
 DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO.: 21461
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #252
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(X m.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21462

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-2, GRID # 264
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: MAR 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.69 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.13 mg/L	200.7	04-01-92
LEAD	0.02 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

LABORATORY REPORT NO. : 21462
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #264
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYLVINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	5.62	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21462

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO.: 21462
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #264
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(J.L.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

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CT Registration No. PH-0432

TEXTRON LYCOMING

550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. 21463

SAMPLE IDENTIFICATION: RANDOM SAMPLE FILE E-2, GRID #308

DATE COLLECTED: MAR 13, 1992

TIME\DATE RECEIVED: MAR 13, 1992

SAMPLE PREPARATION: TCLP EXTRACTION

REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.15 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.09 mg/L	200.7	04-01-92
LEAD	0.09 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO: 21463

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHENANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR

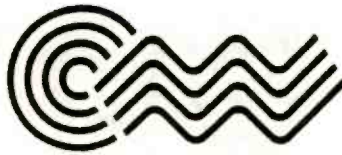


Clearwater Analytical Laboratories, Inc.
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CT Registration No PH-0432

LABORATORY REPORT NO. : 21463
PROJECT: Pile E-2
CUSTOMER SAMPLE DESCRIPTION: Grid #308
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: APRIL 2, 1992
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	4.83	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No. PH-0432

LABORATORY REPORT NO.: 21463
 PROJECT: Pile E-2
 SAMPLE IDENTIFICATION: Grid #308
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
 (J.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
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CT Registration No. PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. **21464**

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-2, GRID # 322
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: MAR 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>		<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:				
ARSENIC	< 0.01	mg/L	206.2	04-01-92
BARIUM	0.83	mg/L	200.7	04-01-92
CADMIUM	< 0.01	mg/L	200.7	04-01-92
CHROMIUM	0.09	mg/L	200.7	04-01-92
LEAD	0.13	mg/L	239.2	04-01-92
MERCURY	< 0.01	mg/L	245.2	04-01-92
SELENIUM	< 0.01	mg/L	270.2	04-01-92
SILVER	< 0.01	mg/L	200.7	04-01-92

John Morico
(S. M.)
JOHN MORICO, DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21464

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(F.A.M.)
JOHN L. MORICO
DIRECTOR



Clearwater Analytical Laboratories, Inc.

6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

LABORATORY REPORT NO. : 21464
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #322
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	2.93	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
CAT-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21464
PROJECT: Pile E-2
SAMPLE IDENTIFICATION: Grid #322
DATE SAMPLED: Mar 13, 1992
DATE RECEIVED AT LAB: Mar 13, 1992
SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m, p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. **21465**

SAMPLE IDENTIFICATION: RANDOM SAMPLE PILE E-2, GRID # 349
DATE COLLECTED: MAR 13, 1992
TIME\DATE RECEIVED: MAR 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>TEST RESULT</u>	<u>USEPA TEST METHOD</u>	<u>DATE ANALYZED</u>
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	0.51 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	0.09 mg/L	200.7	04-01-92
LEAD	0.09 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
(J.M.)
JOHN MORICO, DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21465

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L.)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHEXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE	BDL	2.00
TRICHLOROPROPENE	BDL	2.00

ANALYST: F.A.M.

John L. Morico

 (J.L.M.)
 JOHN L. MORICO
 DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO. : 21465
 PROJECT: Pile E-2
 CUSTOMER SAMPLE DESCRIPTION: Grid #349
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
 EPA TEST METHOD: 8010
 DATE OF ANALYSIS: APRIL 2, 1992
 REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	10.35	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
C\T-1,3-DICHLOROPROPENE	BDL	2.00



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CT Registration No. PH-0432

LABORATORY REPORT NO.: 21465
 PROJECT: Pile E-2
 SAMPLE IDENTIFICATION: Grid #349
 DATE SAMPLED: Mar 13, 1992
 DATE RECEIVED AT LAB: Mar 13, 1992
 SAMPLE PREPARATION: ZHE-TCLP Purge + Trap EPA 5030
 USEPA TEST METHOD: 8020
 DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION <u>(ug/L)</u>	DETECTION <u>LIMIT (ug/L)</u>
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
o-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST:

John L. Morico
 (L.M.)
 JOHN L. MORICO
 DIRECTOR



Clearwater Analytical Laboratories, Inc.
6 Industrial Circle • Hamden Industrial Park • Hamden CT 06517 • (203) 281-6290

CT Registration No PH-0432

TEXTRON LYCOMING
550 Main Street
Stratford, CT 06497
Attn: Dennis Babcock

LABORATORY REPORT NO. **21466-LB**

SAMPLE IDENTIFICATION: LABORATORY BLANK
DATE COLLECTED: MARCH 13, 1992
TIME\DATE RECEIVED: MARCH 13, 1992
SAMPLE PREPARATION: TCLP EXTRACTION
REPORT DATE: APRIL 20, 1992

PARAMETER	TEST RESULT	USEPA TEST METHOD	DATE ANALYZED
TCLP:			
ARSENIC	< 0.01 mg/L	206.2	04-01-92
BARIUM	< 0.01 mg/L	200.7	04-01-92
CADMIUM	< 0.01 mg/L	200.7	04-01-92
CHROMIUM	< 0.01 mg/L	200.7	04-01-92
LEAD	< 0.01 mg/L	239.2	04-01-92
MERCURY	< 0.01 mg/L	245.2	04-01-92
SELENIUM	< 0.01 mg/L	270.2	04-01-92
SILVER	< 0.01 mg/L	200.7	04-01-92

John Morico
JOHN MORICO, DIRECTOR



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CT Registration No. PH-0432

LABORATORY REPORT NO: 21466

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
1,1,2,2-TETRACHLOROETHANE	BDL	2.00
1,1,1,2-TETRACHLOROETHANE	BDL	2.00
TETRACHLOROETHENE	BDL	2.00
1,1,1-TRICHLOROETHANE	BDL	2.00
1,1,2-TRICHLOROETHANE	BDL	2.00
TRICHLOROETHENE	BDL	2.00
TRICHLOROFLUOROMETHANE	BDL	2.00
VINYL CHLORIDE	BDL	2.00
BENZYL CHLORIDE	BDL	2.00
BIS(2-CHLOROETOXY)METHANE	BDL	2.00
BROMOBENZENE	BDL	2.00
1-CHLOROHXANE	BDL	2.00
CHLOROMETHYL METHYL ETHER	BDL	2.00
2-CHLOROTOLUENE	BDL	2.00
4-CHLOROTOLUENE	BDL	2.00
DIBROMOMETHANE	BDL	2.00
DICHLORODIFLUOROMETHANE	BDL	2.00
DICHLOROMETHANE (METHYLENE CHLORIDE)	BDL	2.00
1,2-DICHLOROPROPANE	BDL	2.00
1,2,3-TRICHLOROPROPANE	BDL	2.00

ANALYST: F.A.M.

John L. Morico
(J.M.)
JOHN L. MORICO
DIRECTOR



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CT Registration No PH-0432

LABORATORY REPORT NO. : 21466
PROJECT: PILE E-2
CUSTOMER SAMPLE DESCRIPTION: TRIP BLANK
DATE SAMPLED: MARCH 13, 1992
DATE RECEIVED AT LAB: MARCH 13, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
EPA TEST METHOD: 8010
DATE OF ANALYSIS: APRIL 2, 1992
REPORT DATE: APRIL 20, 1992

<u>PARAMETER</u>	<u>CONCENTRATION</u> <u>(ug/L)</u>	<u>DETECTION</u> <u>LIMIT (ug/L)</u>
BROMODICHLOROMETHANE	BDL	2.00
BROMOFORM	BDL	2.00
BROMOMETHANE	BDL	2.00
CARBON TETRACHLORIDE	BDL	2.00
CHLOROBENZENE	BDL	2.00
CHLOROETHANE	BDL	2.00
2-CHLOROETHYL VINYL ETHER	BDL	2.00
CHLOROFORM	BDL	2.00
CHLOROMETHANE	BDL	2.00
DIBROMOCHLOROMETHANE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,1-DICHLOROETHANE	BDL	2.00
1,2-DICHLOROETHANE	BDL	2.00
1,1-DICHLOROETHENE	BDL	2.00
TRANS-1,2-DICHLOROETHENE	BDL	2.00
TRANS-1,3-DICHLOROPROPENE	BDL	2.00



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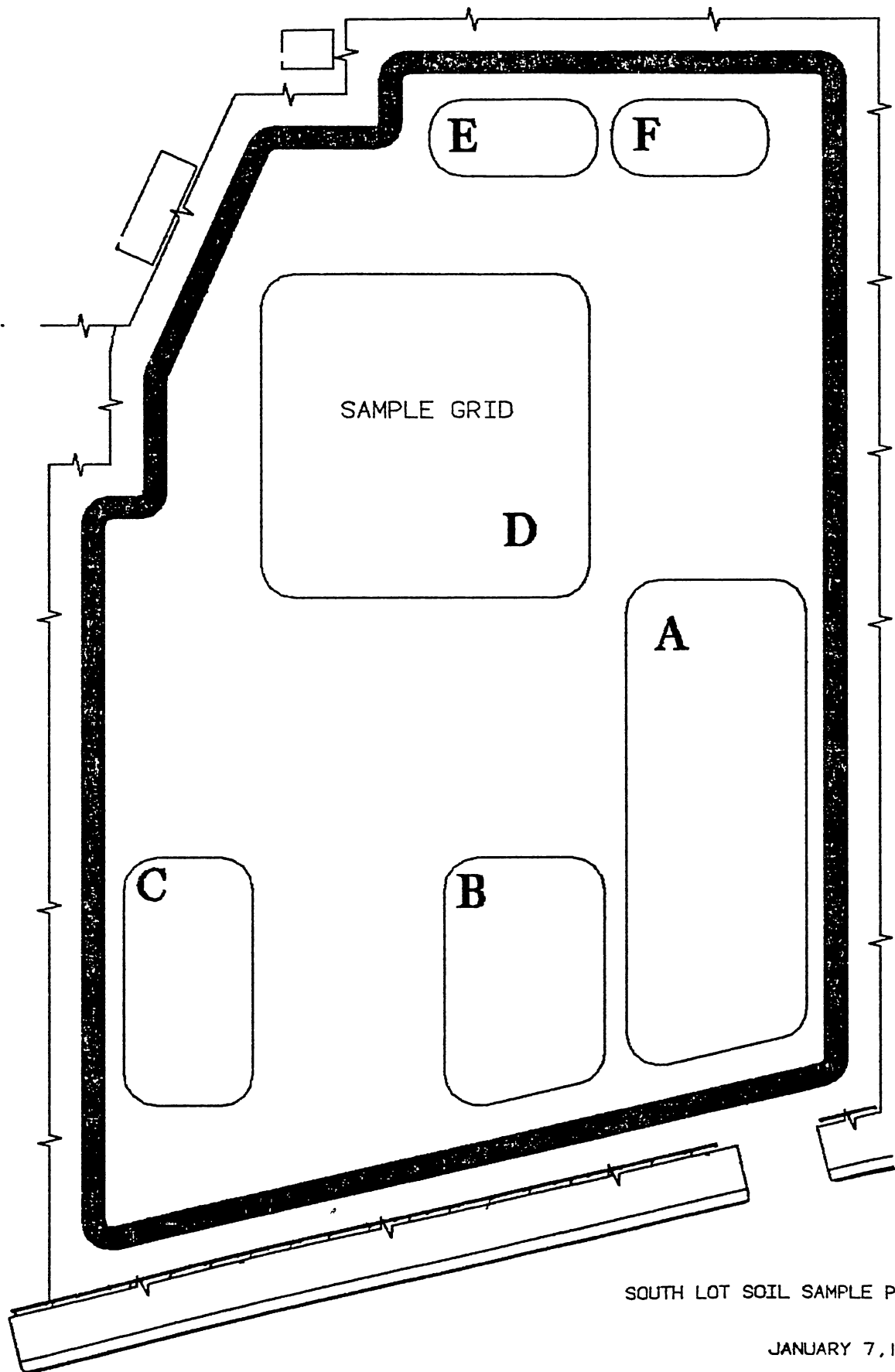
CT Registration No. PH-0432

LABORATORY REPORT NO.: 21466
PROJECT: PILE E-2
SAMPLE IDENTIFICATION: TRIP BLANK
DATE SAMPLED: MARCH 13, 1992
DATE RECEIVED AT LAB: MARCH 13, 1992
SAMPLE PREPARATION: TCLP-ZHE PURGE & TRAP EPA 5030
USEPA TEST METHOD: 8020
DATE OF ANALYSIS: APRIL 2, 1992

PARAMETER	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
BENZENE	BDL	2.00
CHLOROBENZENE	BDL	2.00
1,2-DICHLOROBENZENE	BDL	2.00
1,3-DICHLOROBENZENE	BDL	2.00
1,4-DICHLOROBENZENE	BDL	2.00
ETHYL BENZENE	BDL	2.00
METHYL BENZENE (TOLUENE)	BDL	2.00
O-XYLENE	BDL	2.00
m,p-XYLENE	BDL	2.00

ANALYST: F.A.M.

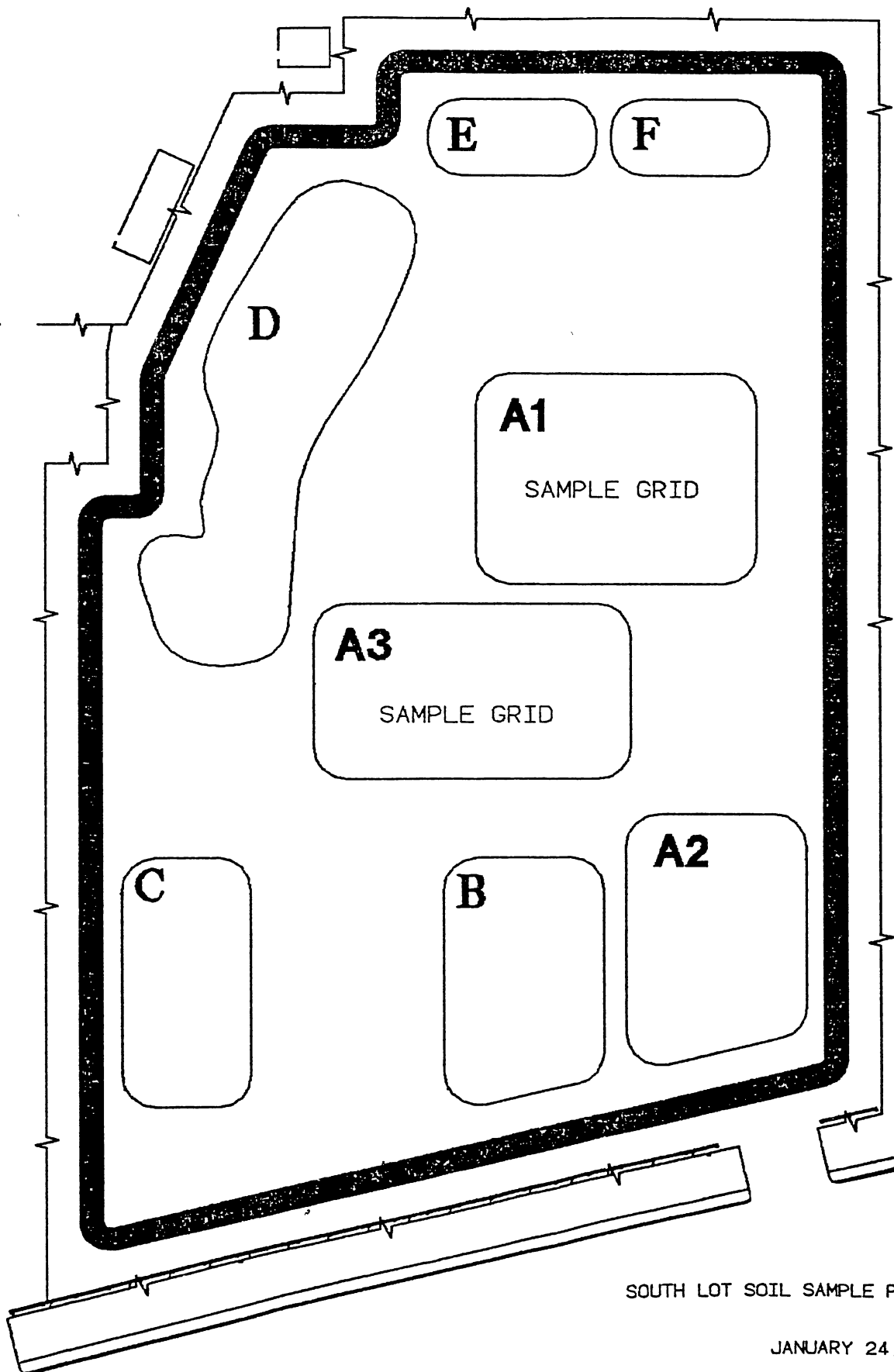
John L. Morico
(L.M.)
JOHN L. MORICO
DIRECTOR



NOT TO SCALE

SOUTH LOT SOIL SAMPLE PLAN

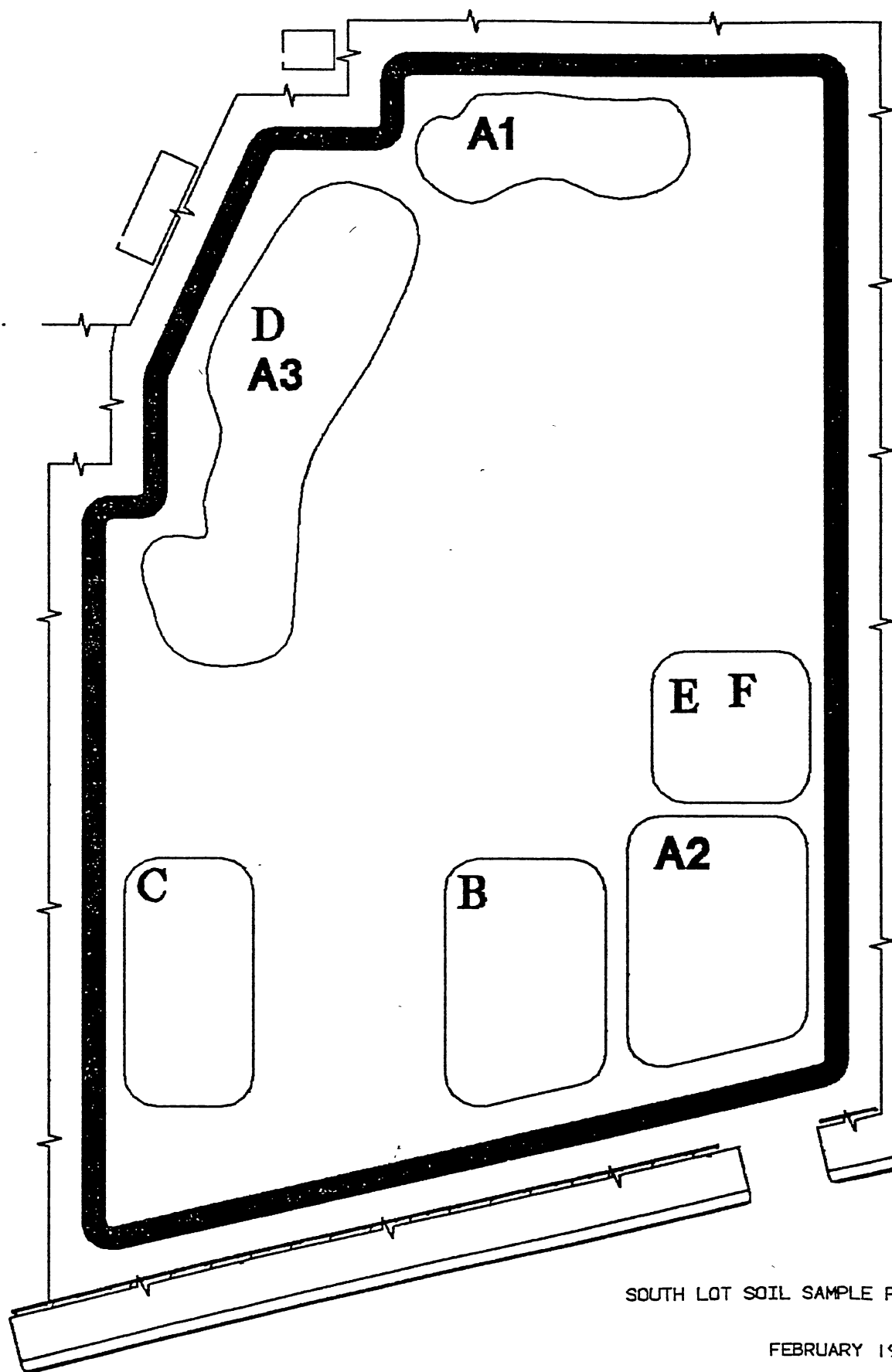
JANUARY 7, 1992



SOUTH LOT SOIL SAMPLE PLAN

JANUARY 24, 1992

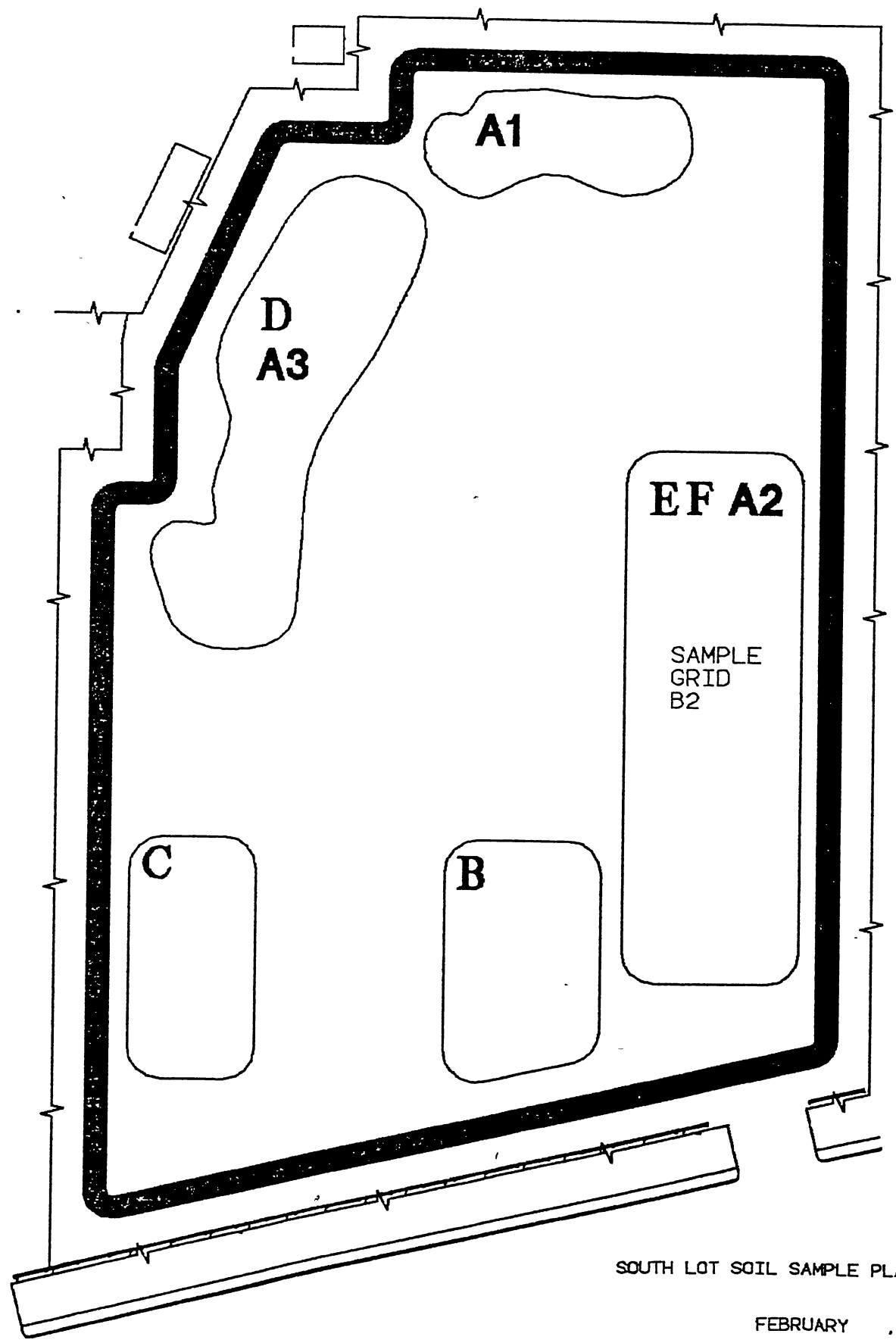
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SOUTH LOT SOIL SAMPLE PLAN

FEBRUARY 19, 1992

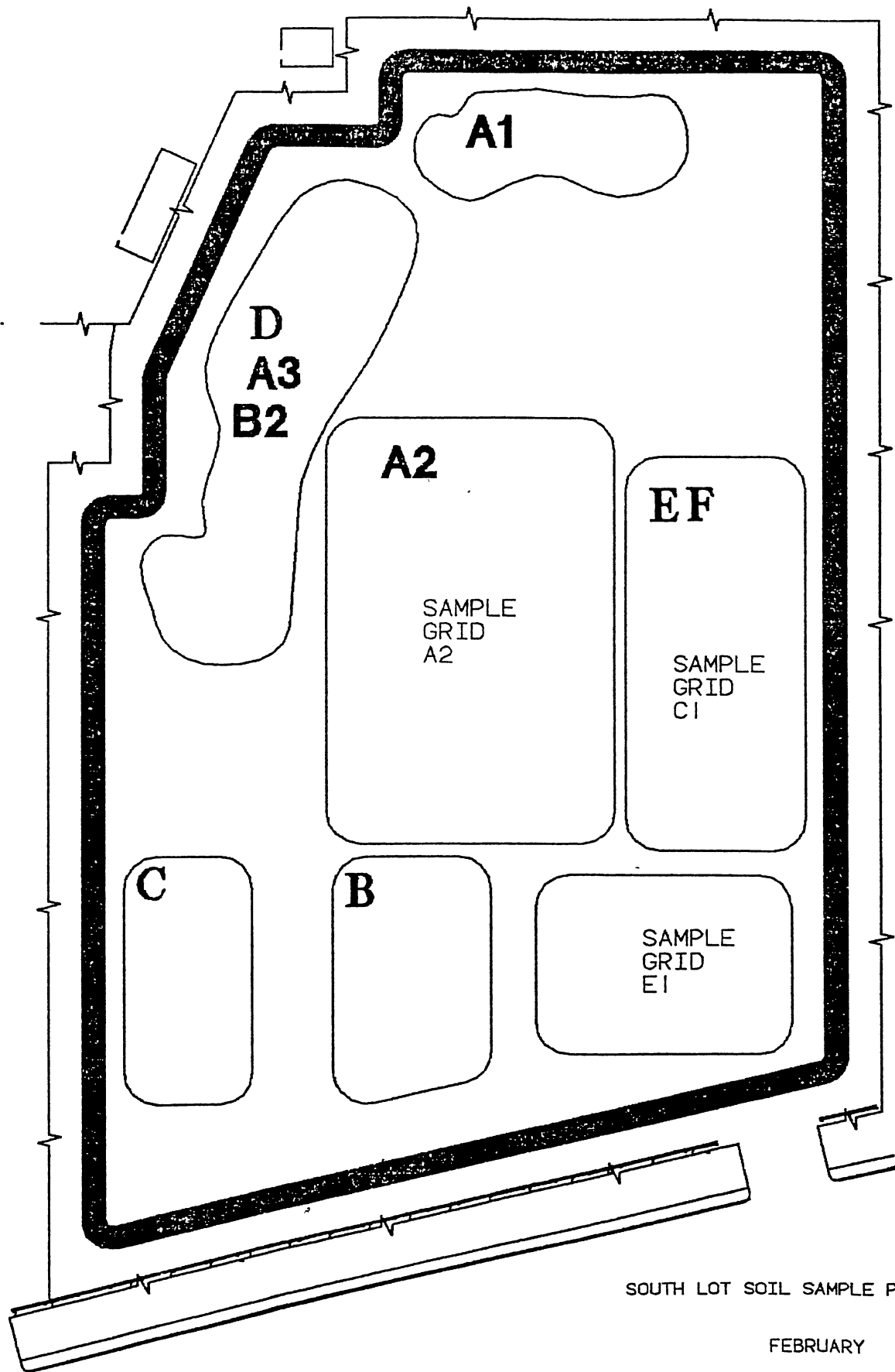
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SOUTH LOT SOIL SAMPLE PLAN

FEBRUARY ,1992

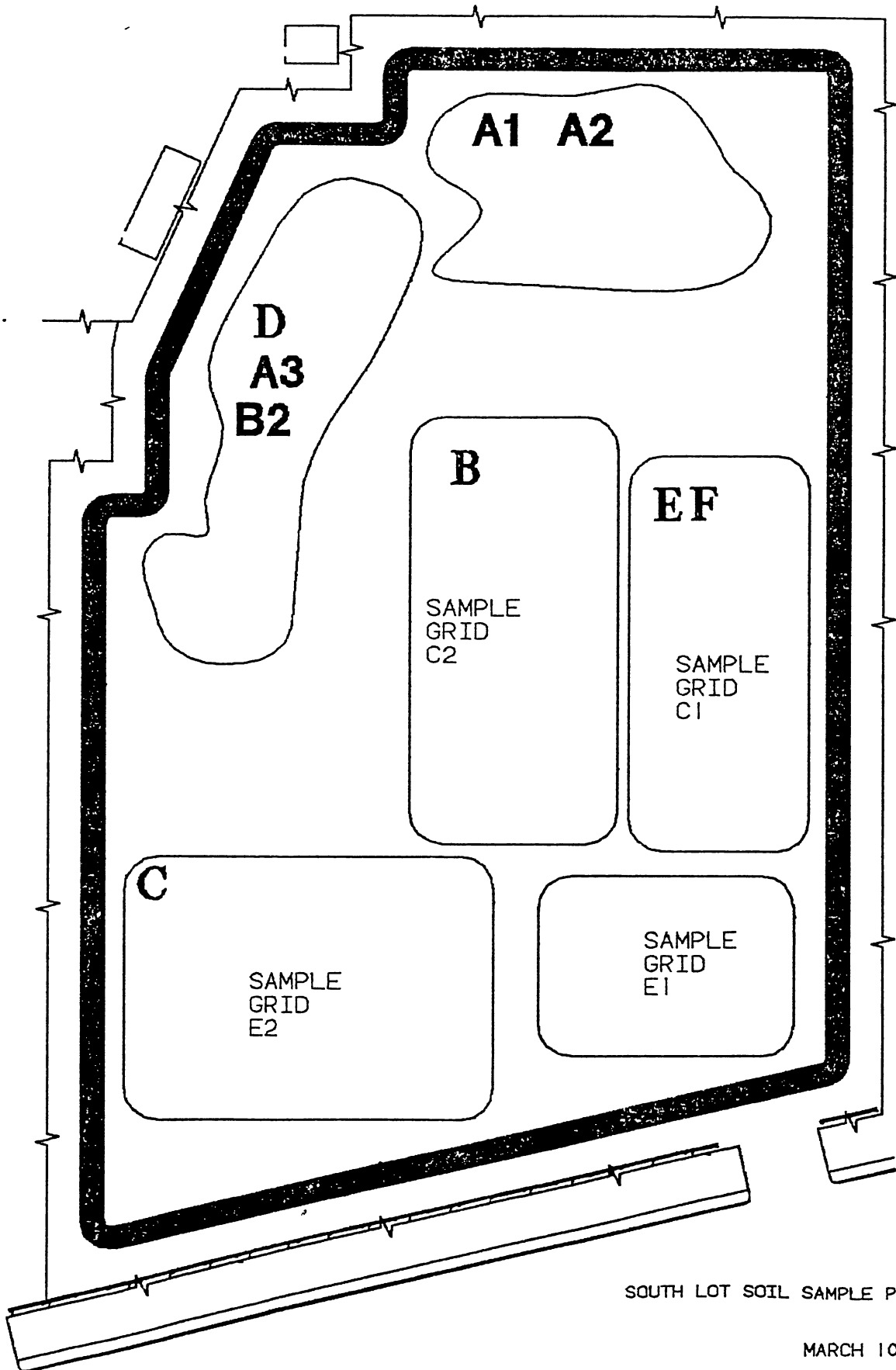
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SOUTH LOT SOIL SAMPLE PLAN

FEBRUARY ,1992

NOT TO SCALE



SOUTH LOT SOIL SAMPLE PLAN

MARCH 10, 1992

NOT TO SCALE