



QUARTERLY GROUNDWATER MONITORING REPORT

Prepared for

**BLACK & DECKER (U.S.) INC.
Hampstead, Maryland**

JANUARY 1998

Prepared by

**Roy F. Weston, Inc.
One Weston Way
West Chester, Pennsylvania 19380**

TABLE OF CONTENTS

| <u>Section</u> | <u>Title</u> | <u>Page</u> |
|----------------|---|-------------|
| 1 | INTRODUCTION | 1-1 |
| 2 | SITE CHARACTERISTICS | 2-1 |
| | 2.1 Hydraulic Properties | 2-1 |
| | 2.2 Effluent Characteristics | 2-1 |
| | 2.3 Groundwater Quality Data | 2-1 |
| 3 | OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM | 3-1 |
| 4 | RECOMMENDATIONS | 4-1 |

LIST OF APPENDICIES

APPENDIX A - DISCHARGE MONITORING REPORTS

APPENDIX B - GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS

APPENDIX C - GROUNDWATER ANALYTICAL DATA PACKAGE

LIST OF TABLES

| <u>Table</u> | <u>Title</u> | <u>Page</u> |
|--------------|--|-------------|
| 2-1 | Treatment System Pumping Records - 4th Quarter 1997 | 2-2 |
| 2-2 | Groundwater Elevation Data - 4th Quarter 1997 | 2-3 |
| 2-3 | Effluent Characteristics Summary - 4th Quarter 1997 | 2-4 |
| 2-4 | Summary of Groundwater Analytical Results - November 1997 | 2-6 |
| 3-1 | Treatment System Maintenance Activities - 4th Quarter 1997 | 3-2 |



SECTION 1 INTRODUCTION

This Groundwater Monitoring Report has been prepared to meet the requirements of Condition IV.G of the Administrative Consent Order between the State of Maryland Department of the Environment (MDE) and Black & Decker (U.S.) Inc. (April 1995) (Consent Order). Specifically, Condition IV.G calls for preparation of a Groundwater Monitoring Report containing the following information for each reporting period: the quantities of groundwater pumped, treated, and discharged; the calculation of quantities of contaminants removed from groundwater; a summary of all sampling analyses; an explanation of all operational or other problems encountered, and the manner in which each problem was resolved; copies of all reports submitted to the Department of Natural Resources in conjunction with the Groundwater Appropriations Permit; and recommendations for changes to the Interim Groundwater Treatment System. This document is one of several which are being prepared in response to the Consent Order; each of these documents are to be submitted to the MDE in accordance with the schedule outlined in the Consent Order. This document will become part of the Administrative Record for the site which is maintained at the Hampstead Public Library.

SECTION 2
SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of October through December 1997.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. Monthly water levels for wells included in the water level monitoring plan are presented in Table 2-2. At the time the water level measurements were collected, the extraction wells were pumping at an average combined rate of approximately 148 gallons per minute (gpm).

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of October through December 1997 are included in Appendix A.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of October through December 1997, approximately 152 lbs of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs removed from the groundwater were comprised of trichloroethene (TCE) (77 %) and tetrachlorethene (PCE) (23 %). The groundwater treatment

Table 2-1
Treatment System Pumping Records - 4th Quarter 1997
Black & Decker
Hampstead, Maryland

| Date | Water pumped (gallons) |
|---------------|-------------------------------|
| October 1997 | 6,785,750 |
| November 1997 | 6,394,405 |
| December 1997 | 6,401,574 |

Table 2-2
Groundwater Elevation Data - 4th Quarter 1997
Black & Decker
Hampstead, Maryland

| WELL NO. | TOC ELEV. | TOTAL DEPTH | 10/23/97 | | 11/18/97 | | 12/19/97 | |
|--------------------|-----------|-------------|----------|--------|----------|--------|----------|--------|
| | | | DTW | ELEV | DTW | ELEV | DTW | ELEV |
| EW-1 | 847.21 | 55 | NA | -- | NA | -- | NA | -- |
| EW-2 | 849.21 | 110 | 97.88 | 751.33 | 76.55 | 772.66 | 87.43 | 761.78 |
| EW-3 | 846.64 | 118 | 86.25 | 760.39 | 84.86 | 761.78 | 83.91 | 762.73 |
| EW-4 | 858.01 | 97.5 | 82.45 | 775.56 | 86.99 | 771.02 | 85.33 | 772.68 |
| EW-5 | 864.17 | 98 | 87.99 | 776.18 | 88.11 | 776.06 | 88.37 | 775.80 |
| EW-6 | 831.98 | 115 | 56.95 | 775.03 | 60.66 | 771.32 | 59.89 | 772.09 |
| EW-7 | 818.38 | 78 | 45.49 | 772.89 | 47.67 | 770.71 | 48.94 | 769.44 |
| EW-8 | 811.13 | 98 | 66.18 | 744.95 | 70.41 | 740.72 | 71.77 | 739.36 |
| EW-9 | 811.35 | 141 | 96.95 | 714.40 | 99.38 | 711.97 | 99.93 | 711.42 |
| EW-10 | 807.74 | NA | 56.05 | 751.69 | 55.67 | 752.07 | 55.58 | 752.16 |
| RFW-1A | 864.37 | 78 | 53.68 | 810.69 | 54.29 | 810.08 | 55.11 | 809.26 |
| RFW-1B | 864.23 | 200 | 53.72 | 810.51 | 54.27 | 809.96 | 55.10 | 809.13 |
| RFW-2A | 857.41 | 35 | 19.82 | 837.59 | 18.61 | 838.80 | 19.41 | 838.00 |
| RFW-2B | 857.73 | 75 | 20.42 | 837.31 | 19.26 | 838.47 | 19.87 | 837.86 |
| RFW-3B | 839.21 | 153 | 35.75 | 803.46 | 36.26 | 802.95 | 36.73 | 802.48 |
| RFW-4A | 830.37 | 62 | 38.11 | 792.26 | 39.32 | 791.05 | 39.37 | 791.00 |
| RFW-4B | 830.37 | 120 | 38.01 | 792.36 | 38.32 | 792.05 | 38.56 | 791.81 |
| RFW-5A | 817.50 | 30 | DRY | -- | DRY | -- | DRY | -- |
| RFW-6 | 785.04 | 120 | 3.25 | 781.79 | 2.46 | 782.58 | 2.97 | 782.07 |
| RFW-7 | 805.14 | 29 | 7.98 | 797.16 | 7.49 | 797.65 | 7.95 | 797.19 |
| RFW-8 | 860.07 | 56 | DRY | -- | DRY | -- | DRY | 860.07 |
| RFW-9 | 862.02 | 49 | 29.37 | 832.65 | 28.52 | 833.50 | 28.73 | 833.29 |
| RFW-10 | 852.06 | 58 | DRY | -- | DRY | -- | DRY | 852.06 |
| RFW-11A | 849.32 | 72 | 70.11 | 779.21 | 70.30 | 779.02 | 70.61 | 778.71 |
| RFW-11B | 849.62 | 116 | 77.40 | 772.22 | 77.36 | 772.26 | 77.85 | 771.77 |
| RFW-12B | 844.87 | 264 | 54.48 | 790.39 | 54.48 | 790.39 | 54.37 | 790.50 |
| RFW-13 | 849.11 | 150 | 60.96 | 788.15 | 61.97 | 787.14 | 62.84 | 786.27 |
| RFW-14B | 812.39 | 281 | 44.83 | 767.56 | 46.25 | 766.14 | 47.48 | 764.91 |
| RFW-16 | 856.14 | 41 | DRY | -- | DRY | -- | DRY | 856.14 |
| RFW-17 | 834.66 | 60.5 | 29.05 | 805.61 | 29.26 | 805.40 | 29.29 | 805.37 |
| RFW-18 | 843.67 | 50 | 6.02 | 837.65 | 5.13 | 838.54 | 6.16 | 837.51 |
| RFW-19 | 858.28 | 60 | 8.90 | 849.38 | 7.14 | 851.14 | 7.89 | 850.39 |
| RFW-20 | 842.49 | 142 | 37.24 | 805.25 | 37.60 | 804.89 | 37.74 | 804.75 |
| RFW-21 | 832.65 | 102 | 22.85 | 809.80 | 22.67 | 809.98 | 22.84 | 809.81 |
| PH-7 | 805.94 | 89 | 36.85 | 769.09 | 37.43 | 768.51 | 37.47 | 768.47 |
| PH-9 | 814.94 | 98 | 39.73 | 775.21 | 41.29 | 773.65 | 42.00 | 772.94 |
| PH-11 | 820.68 | 78 | 39.87 | 780.81 | 40.86 | 779.82 | 42.10 | 778.58 |
| PH-12 | 828.35 | 87 | 46.61 | 781.74 | 47.41 | 780.94 | 48.12 | 780.23 |
| B-2 | 807.68 | 100 | 10.45 | 797.23 | 5.44 | 802.24 | 7.94 | 799.74 |
| B-3 | 803.02 | 83 | 11.36 | 791.66 | 8.75 | 794.27 | 9.97 | 793.05 |
| Amoco | 842.29 | NA | 26.84 | 815.45 | 26.19 | 816.10 | 26.77 | 815.52 |
| Hamp. Town #22 | 804.96 | NA | 3.16 | 801.80 | 2.19 | 802.77 | 1.69 | 803.27 |
| Pembroke #1 | NA | NA | 17.05 | -- | 15.83 | -- | 16.74 | -- |
| Pembroke #2 | NA | NA | NA | -- | NA | -- | NA | -- |
| N. Houcks. Rd. | NA | NA | NA | -- | NA | -- | 9.46 | -- |
| E. Century St. | NA | NA | 11.28 | -- | 11.13 | -- | 11.49 | -- |
| Lwr. Beckleys. Rd. | NA | NA | 54.70 | -- | 55.21 | -- | 55.71 | -- |

NA - Not Available/Not Accessible

Table 2-3
Effluent Characteristics Summary - 4th Quarter 1997
Black & Decker
Hampstead, Maryland

| Discharge Number | Parameter | Units | Permit Limits | DMR DATE | | | |
|---------------------------|-------------------------|-------------------|---------------|--------------|---------------|---------------|-------|
| | | | | October 1997 | November 1997 | December 1997 | |
| 001 | FLOW | average | MGD | NA | 0.232 | 0.281 | 0.223 |
| | | maximum | MGD | NA | 0.489 | 0.798 | 0.248 |
| | 1,1,1-Trichloroethane | ug/l | 5 | < 5 | < 5 | < 5 | |
| | Tetrachloroethylene | ug/l | 5 | < 5 | < 5 | < 5 | |
| | Trichloroethylene | ug/l | 5 | < 5 | < 5 | < 5 | |
| | Total Residual Chlorine | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | |
| | Oil & Grease | maximum | mg/l | 15 | < 5 | < 5 | < 5 |
| | | quarterly average | mg/l | 10 | NR | NR | < 5 |
| | pH | minimum | STD | 6.0 | 6.85 | 6.89 | 6.49 |
| | | maximum | STD | 8.5 | 7.29 | 7.24 | 7.43 |
| | BOD | | mg/l | 15 | 3 | 4 | 5 |
| TSS | maximum | mg/l | 30 | 4 | 7 | 9 | |
| | quarterly average | mg/l | 20 | NR | NR | 7 | |
| 101 (Monitoring Point) | FLOW | average | MGD | NA | 0.534 | 0.557 | 0.534 |
| | | maximum | MGD | NA | 0.551 | 0.570 | 0.563 |
| | Fecal Coliform | MPN/100ml | 200 | < 2 | < 2 | < 2 | |
| 201 (Monitoring Point) | FLOW | average | MGD | NA | 0.219 | 0.213 | 0.207 |
| | | maximum | MGD | NA | 0.232 | 0.238 | 0.234 |
| | 1,1,1-Trichloroethane | ug/l | NA | < 5 | < 5 | < 5 | |
| | Tetrachloroethylene | ug/l | NA | < 5 | < 5 | < 5 | |
| | Trichloroethylene | ug/l | NA | < 5 | < 5 | < 5 | |

NA - Not Applicable

NR - Not Reported

system influent (sample "Air Stripper #2 Pre") and effluent (sample "Outfall 201") analytical results for the period of October through December 1997 are included in Appendix B.

A summary of the analytical results from the fourth quarter (November 1997) groundwater sampling round of the extraction and monitor wells is included in Table 2-4. The complete analytical data package is included in Appendix C. As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentration of TCE was detected in the groundwater samples collected from wells RFW-12B and EW-2 and the highest concentration of PCE was detected in the groundwater sample collected from extraction well EW-9. VOCs detected at lower concentrations were 1,2-dichloroethene, 1,1,1-trichloroethane, 1,1-dichloroethene, and 1,1,2-trichloroethane. The remainder of VOCs present were detected at levels well below the Federal Maximum Contaminant Levels (MCL).

Table 2-4

Summary of Groundwater Analytical Results - November 1997

Black & Decker
Hampstead, Maryland

| PARAMETER | Units | EW-1 | EW-2 | EW-3 | EW-4 | EW-5 | EW-6 | EW-7 | EW-8 | EW-8 | EW-9 | EW-10 | RFW-1A | RFW-1B | RFW-2A |
|----------------------------|-------|------|-------|-------|--------|-------|------|------|------|--------------|------|-------|--------|--------|--------|
| | | | (20) | (10) | (25) | (10) | | | (2) | (DUP) (2) | (5) | | | | |
| Chloromethane | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| Bromomethane | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| Vinyl Chloride | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| Chloroethane | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| Methylene Chloride | µg/L | NS | 70 JB | 57 B | 100 JB | 43 JB | 6 B | 5 B | 8 JB | 7 JB | 29 B | 2 JB | 5 B | 2 JB | 3 JB |
| Acetone | µg/L | NS | 200 U | 50 JB | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| Carbon Disulfide | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethene (total) | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 1 J | 12 | 33 | 33 | 8 J | 5 U | 5 U | 5 U | 5 U |
| Chloroform | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| 1,1,1-Trichloroethane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Acetate | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| Bromodichloromethane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Trichloroethene | µg/L | NS | 3000 | 1000 | 1600 | 1400 | 16 | 18 | 19 | 20 | 14 J | 1 J | 5 U | 5 U | 3 J |
| Dibromochloromethane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Trans-1,3-Dichloropropene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Bromoform | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| 2-Hexanone | µg/L | NS | 200 U | 100 U | 250 U | 100 U | 10 U | 10 U | 20 U | 20 U | 50 U | 10 U | 10 U | 10 U | 10 U |
| Tetrachloroethene | µg/L | NS | 110 | 21 J | 40 J | 32 J | 68 | 44 | 240 | 230 | 920 | 120 | 5 U | 5 U | 5 U |
| 1,1,2,2-Tetrachloroethane | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Toluene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Styrene | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Xylene (total) | µg/L | NS | 100 U | 50 U | 120 U | 50 U | 5 U | 5 U | 10 U | 10 U | 25 U | 5 U | 5 U | 5 U | 5 U |

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.

J = Indicates an estimated value.

B = Indicates that the analyte was found in the associated blank as well as in the sample.

DUP = Duplicate sample

NS = Not sampled

(2.5) = Dilution factor.

Table 2-4 (Continued)
 Summary of Groundwater Analytical Results - November 1997
 Black & Decker
 Hampstead, Maryland

| PARAMETER | Units | RFW-2B | RFW-3B | RFW-4A | RFW-4B | RFW-5A | RFW-6 | RFW-7 | RFW-8 | RFW-9 | RFW-10 | RFW-11A | RFW-11B | RFW-12B | RFW-13 |
|----------------------------|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|---------|---------|---------|--------|
| | | | | (2) | | | | | | | | | | (25) | |
| Chloromethane | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 3 JB |
| Bromomethane | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 10 U |
| Vinyl Chloride | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 10 U |
| Chloroethane | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 10 U |
| Methylene Chloride | µg/L | 5 B | 2 JB | 8 JB | 2 JB | NS | 2 JB | 2 JB | NS | 3 JB | NS | 2 JB | 2 JB | 120 JB | 4 JB |
| Acetone | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 6 JB | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 6 JB |
| Carbon Disulfide | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 1,1-Dichloroethene | µg/L | 5 U | 1 J | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 1,1-Dichloroethane | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 1,2-Dichloroethene (total) | µg/L | 5 U | 51 | 4 J | 7 | NS | 3 J | 2 J | NS | 5 J | NS | 5 U | 5 U | 120 U | 5 U |
| Chloroform | µg/L | 5 U | 5 U | 10 U | 2 J | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 1,2-Dichloroethane | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 2-Butanone | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 10 U |
| 1,1,1-Trichloroethane | µg/L | 5 U | 4 J | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Carbon Tetrachloride | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Vinyl Acetate | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 10 U |
| Bromodichloromethane | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 1,2-Dichloropropane | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| cis-1,3-Dichloropropene | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Trichloroethene | µg/L | 4 J | 29 | 130 | 63 | NS | 23 | 10 | NS | 28 | NS | 92 | 49 | 3000 | 6 |
| Dibromochloromethane | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 1,1,2-Trichloroethane | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Benzene | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Trans-1,3-Dichloropropene | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Bromoform | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| 4-Methyl-2-pentanone | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 10 U |
| 2-Hexanone | µg/L | 10 U | 10 U | 20 U | 10 U | NS | 10 U | 10 U | NS | 10 U | NS | 10 U | 10 U | 250 U | 10 U |
| Tetrachloroethene | µg/L | 5 U | 50 | 180 | 130 | NS | 22 | 5 U | NS | 4 J | NS | 2 J | 5 U | 80 J | 43 |
| 1,1,2,2-Tetrachloroethane | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Toluene | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Chlorobenzene | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Ethylbenzene | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |
| Styrene | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 | 5 U |
| Xylene (total) | µg/L | 5 U | 5 U | 10 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS | 5 U | 5 U | 120 U | 5 U |

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
 J = Indicates an estimated value.
 B = Indicates that the analyte was found in the associated blank as well as in the sample.

DUP = Duplicate sample
 NS = Not sampled
 (2.5) = Dilution factor.

Table 2-4 (Continued)
 Summary of Groundwater Analytical Results - November 1997
 Black & Decker
 Hampstead, Maryland

| PARAMETER | Units | RFW-16 | RFW-17 | RFW-18 | RFW-19 | RFW-20 | RFW-20 (DUP) | RFW-21 | Town #22 | Town #23 | Leister Dairy | Leister Res. #1 | Leister Res. #2 | Field Blank | Trip Blank |
|----------------------------|-------|--------|--------|--------|--------|--------|-----------------|--------|----------|----------|------------------|--------------------|--------------------|----------------|---------------|
| Chloromethane | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| Bromomethane | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| Vinyl Chloride | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chloroethane | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| Methylene Chloride | µg/L | NS | 6 B | 6 B | 5 B | 3 JB | 3 JB | 2 JB | 7 B | NS | 6 B | 5 B | 3 JB | 5 JB | 8 B |
| Acetone | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| Carbon Disulfide | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethene (total) | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloroform | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| 1,1,1-Trichloroethane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Acetate | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| Bromodichloromethane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichloroethene | µg/L | NS | 5 U | 5 U | 5 U | 18 | 19 | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trans-1,3-Dichloropropene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromoform | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-Hexanone | µg/L | NS | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | NS | 10 U | 10 U | 10 U | 10 U | 10 U |
| Tetrachloroethene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 3 J | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-Tetrachloroethane | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Toluene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Styrene | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |
| Xylene (total) | µg/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | 5 U | 5 U | 5 U |

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
 J = Indicates an estimated value.
 B = Indicates that the analyte was found in the associated blank as well as in the sample.

DUP = Duplicate sample
 NS = Not sampled
 (2.5) = Dilution factor.

SECTION 3
OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities which were undertaken at the extraction and treatment system during the reporting period (October through December 1997) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate, or other routine activities).

Table 3-1
Treatment System Maintenance Activities - 4th Quarter 1997
Black & Decker
Hampstead, Maryland

| Date | Event/Corrective Action |
|---------------|---|
| October 1997 | Extraction well EW-6 was shut down by the low temperature switch. The temperature switch settings were lowered and the unit heater thermostat settings were increased. EW-6 operating properly. |
| October 1997 | The effluent flow meter at the treatment system was calibrated. |
| November 1997 | The flow switch at the treatment system malfunctioned and was replaced. |

SECTION 4
RECOMMENDATIONS

For the reporting period of October through December 1997, the treatment system continued to create a hydraulic boundary preventing off-site migration of groundwater. Operation of the extraction system as currently configured will continue, adjusting pumping rates as necessary according to the amount of groundwater recharge. Operation of the treatment system as currently configured will also continue, because the treatment system is fully effective in removing VOCs from the extracted groundwater.

APPENDIX A
DISCHARGE MONITORING REPORTS
(OCTOBER - DECEMBER 1997)

NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

DISCHARGE MONITORING REPORT (DMR)

MD0001881 **001**
 PERMIT NUMBER DISCHARGE NUMBER

FACILITY:

MONITORING PERIOD

LOCATION: **CARROLL COUNTY**

FROM

| | | |
|------|----|-----|
| YEAR | MO | DAY |
| 97 | 10 | 01 |

 TO

| | | |
|------|----|-----|
| YEAR | MO | DAY |
| 97 | 10 | 31 |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | (3 Card Only) QUANTITY OR LOADING | | | (4 Card Only) QUALITY OR CONCENTRATION | | | NO EX (62-63) | FREQUENCY OF ANALYSIS (64-66) | SAMPLE TYPE (69-70) |
|-------------------------|--------------------|--------------------------------------|--------------------|-------|---|--------------------|--------------------|------------------|----------------------------------|------------------------|
| | | AVERAGE (46-53) | MAXIMUM (54-61) | UNITS | MINIMUM (38-45) | AVERAGE (46-53) | MAXIMUM (54-61) | | | |
| FLOW | SAMPLE MEASUREMENT | 0.232 | 0.489 | MGD | | | | 0 | CONTINUOUS MEASURED | |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | CONTINUOUS MEASURED | |
| 1,1,1-TRICHLOROETHANE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | 5 | | | 1/MONTH GRAB | |
| TETRACHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | 5 | | | 1/MONTH GRAB | |
| TRICHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | 5 | | | 1/MONTH GRAB | |
| TOTAL RESIDUAL CHLORINE | SAMPLE MEASUREMENT | | | | | <0.1 | mg/l | 0 | 4/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | <0.1 | | | 1/MONTH GRAB | |
| OIL & GREASE | SAMPLE MEASUREMENT | | | | | <5 | mg/l | 0 | 1/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | 10 | 15 | | 1/MONTH GRAB | |
| pH | SAMPLE MEASUREMENT | | | | 6.85 | 7.29 | STD | 0 | 2/WEEK GRAB | |
| | PERMIT REQUIREMENT | | | | 6.00 | 8.50 | | | 2/WEEK GRAB | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
LaVere N. Grimes
Facilities Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

LaVere N. Grimes
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555
 DATE: 97 | 11 | 04
 AREA CODE-NUMBER: YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE ADDRESS (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

APPROVED

No.2040-0004

MD0001881
 PERMIT NUMBER

001
 DISCHARGE NUMBER

(2-16)

(17-19)

MONITORING PERIOD

| | | | | | | | |
|------|---------|---------|---------|----|---------|---------|---------|
| FROM | YEAR | MO | DAY | TO | YEAR | MO | DAY |
| | 97 | 10 | 01 | | 97 | 10 | 31 |
| | (20-21) | (22-23) | (24-25) | | (26-27) | (28-29) | (30-31) |

FACILITY:
 LOCATION: **CARROLL COUNTY**

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT / PERMIT REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (38-45) | | | UNITS | NO EX (62-63) | FREQUENCY OF ANALYSIS (64-66) | SAMPLE TYPE (69-70) | |
|-------------------------------|---|---|---------|-------|--|---------|---------|---------|------------------|----------------------------------|------------------------|------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | | | |
| BOD | SAMPLE MEASUREMENT | | | | | | | 3 | mg/l | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | | | 15 | | 1/MONTH | GRAB | |
| TOTAL SUSPENDED SOLIDS | SAMPLE MEASUREMENT | | | | | | | 4 | mg/l | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | 20 | 30 | 1/MONTH | | GRAB | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
LaVere N. Grimes
Facilities Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

LaVere N. Grimes
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555
 DATE: 97 | 11 | 04
 AREA CODE-NUMBER: 103

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE ADDRESS (Include Facility Name/Location if different)
NAME: BLACK & DECKER (U.S.) INC.
ADDRESS: 626 HANOVER PIKE
HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

APPROVED
 No. 2040-0004

MD0001881
 PERMIT NUMBER

101
 DISCHARGE NUMBER

FACILITY:

LOCATION: **CARROLL COUNTY**

| MONITORING PERIOD | | | | | |
|-------------------|---------|---------|---------|---------|---------|
| FROM | | | TO | | |
| YEAR | MO | DAY | YEAR | MO | DAY |
| 97 | 10 | 01 | 97 | 10 | 31 |
| (20-21) | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | QUANTITY OR LOADING (4 Card Only) (46-53) | | | QUALITY OR CONCENTRATION (4 Card Only) (38-45) | | | NO EX (62-63) | FREQUENCY OF ANALYSIS (64-66) | SAMPLE TYPE (69-7C) |
|----------------------|--------------------|---|----------|-------|--|---------|-----------|------------------|----------------------------------|------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| FLOW | SAMPLE MEASUREMENT | 0.534 | 0.551 | MGD | | | | 0 | CONTINUOUS MEASURED | |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | CONTINUOUS MEASURED | |
| FECAL COLIFORM | SAMPLE MEASUREMENT | | | | | <2 | MPN/100ml | 0 | 1/WEEK GRAB | |
| | PERMIT REQUIREMENT | | | | | 200 | | | 1/WEEK GRAB | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
LaVere N. Grimes
Facilities Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

LaVere N. Grimes
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 410-239-5555
 AREA CODE-NUMBER
 DATE
 97 | 11 | 04
 YEAR | MO | DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE ADDRESS: (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

APPROVED

No.2040-0004

MD0001881
 PERMIT NUMBER

201
 DISCHARGE NUMBER

(2-16)

(17-15)

FACILITY:

LOCATION: **CARROLL COUNTY**

| MONITORING PERIOD | | | | | |
|-------------------|---------|---------|---------|---------|---------|
| YEAR | MO | DAY | YEAR | MO | DAY |
| 97 | 10 | 01 | 97 | 10 | 31 |
| (20-21) | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

FROM

TO

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (38-45) | | | NO EX (62-63) | FREQUENCY OF ANALYSIS (64-66) | SAMPLE TYPE (69-70) |
|-----------------------|--------------------|---|----------|-------|--|---------|---------|------------------|--|---------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| FLOW | SAMPLE MEASUREMENT | 0.219 | 0.232 | MGD | | | | 0 | CONTINUOUS MEASURED | |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | CONTINUOUS MEASURED | |
| 1,1,1-TRICHLOROETHANE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | N/A | | | 1/MONTH GRAB | |
| TETRACHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | N/A | | | 1/MONTH GRAB | |
| TRICHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH GRAB | |
| | PERMIT REQUIREMENT | | | | | N/A | | | 1/MONTH GRAB | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

LaVere N. Grimes

SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-239-5555

AREA CODE-NUMBER

DATE

97 | 11 | 04

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

DISCHARGE MONITORING REPORT (DMR)

MD0001881
 PERMIT NUMBER
 (2-16)

001
 DISCHARGE NUMBER
 (17-15)

FACILITY:

LOCATION: **CARROLL COUNTY**

| MONITORING PERIOD | | | | | |
|-------------------|---------|---------|---------|---------|---------|
| YEAR | MO | DAY | YEAR | MO | DAY |
| 97 | 11 | 01 | 97 | 11 | 30 |
| (20-21) | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | QUANTITY OR LOADING (3 Card Only) (46-53) | | | QUALITY OR CONCENTRATION (4 Card Only) (38-45) | | | NO EX (62-63) | FREQUENCY OF ANALYSIS (64-65) | SAMPLE TYPE (69-70) |
|-------------------------|--------------------|---|----------|-------|--|---------|---------|------------------|----------------------------------|------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| FLOW | SAMPLE MEASUREMENT | 0.281 | 0.798 | MGD | | | | 0 | CONTINUOUS | MEASURED |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | CONTINUOUS | MEASURED |
| 1,1,1-TRICHLOROETHANE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | 5 | | | 1/MONTH | GRAB |
| TETRACHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | 5 | | | 1/MONTH | GRAB |
| TRICHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | <5 | ppb | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | 5 | | | 1/MONTH | GRAB |
| TOTAL RESIDUAL CHLORINE | SAMPLE MEASUREMENT | | | | | <0.1 | mg/l | 0 | 4/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | <0.1 | | | 1/MONTH | GRAB |
| OIL & GREASE | SAMPLE MEASUREMENT | | | | | <5 | mg/l | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | 10 | 15 | | 1/MONTH | GRAB |
| pH | SAMPLE MEASUREMENT | | | | 6.89 | | | 0 | 2WEEK | GRAB |
| | PERMIT REQUIREMENT | | | | 6.00 | | 7.24 | STD | 2WEEK | GRAB |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
LaVere N. Grimes
Facilities Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

LaVere N. Grimes
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555
 DATE: 97 | 12 | 01
 AREA CODE-NUMBER: 410-239-5555
 YEAR | MO | DAY: 97 | 12 | 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**

DISCHARGE MONITORING REPORT (DMR)

Form No. 2040-0004

ADDRESS: **626 HANOVER PIKE
HAMPSTEAD, MD. 21074**

MD0001881
PERMIT NUMBER

001
DISCHARGE NUMBER

(2-16)

(17-15)

FACILITY:

MONITORING PERIOD

LOCATION: **CARROLL COUNTY**

| | | | | | | | |
|------|---------|---------|---------|----|---------|---------|---------|
| FROM | YEAR | MO | DAY | TO | YEAR | MO | DAY |
| | 97 | 11 | 01 | | 97 | 11 | 30 |
| | (20-21) | (22-23) | (24-25) | | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | QUANTITY OR LOADING (3 Card Only) (46-53) | | | QUALITY OR CONCENTRATION (4 Card Only) (38-45) | | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-66) | SAMPLE TYPE (69-70) | |
|------------------------|--------------------|---|---------|-------|--|---------|---------|-------|-------------------|----------------------------------|------------------------|------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | | |
| BOD | SAMPLE MEASUREMENT | | | | | | | 4 | mg/l | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | | | 15 | | | 1/MONTH | GRAB |
| TOTAL SUSPENDED SOLIDS | SAMPLE MEASUREMENT | | | | | | | 7 | mg/l | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | 20 | 30 | | | | 1/MONTH | GRAB |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
LaVere N. Grimes
Facilities Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

LaVere N. Grimes
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555
DATE: 97 | 12 | 01
AREA CODE-NUMBER: 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: ADDRESS: (Include Facility Name/Location if different)
 NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 No. 2040-0004

MD0001881
 PERMIT NUMBER

101
 DISCHARGE NUMBER

FACILITY:
 LOCATION: **CARROLL COUNTY**

| MONITORING PERIOD | | | | | | | | |
|-------------------|---------|---------|---------|---------|---------|--|--|--|
| FROM | | | TO | | | | | |
| YEAR | MO | DAY | YEAR | MO | DAY | | | |
| 97 | 11 | 01 | 97 | 11 | 30 | | | |
| (20-21) | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) | | | |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | X | QUANTITY OR LOADING (3 Card Only) (46-53) | | | QUALITY OR CONCENTRATION (4 Card Only) (38-45) | | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-66) | SAMPLE TYPE (69-70) |
|----------------------|--------------------|---|----------|-------|--|---------|---------|-----------|-------------------|----------------------------------|------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| FLOW | SAMPLE MEASUREMENT | 0.557 | 0.57 | MGD | | | | | 0 | CONTINUOUS MEASURED | |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | | CONTINUOUS MEASURED | |
| FECAL COLIFORM | SAMPLE MEASUREMENT | | | | | <2 | | MPN/100ml | 0 | 1/WEEK GRAB | |
| | PERMIT REQUIREMENT | | | | | 200 | | | | 1/WEEK GRAB | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER: **LaVere N. Grimes**
 Facilities Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

LaVere N. Grimes
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555
 DATE: 97 | 12 | 01
 AREA CODE-NUMBER: 410-239-5555
 YEAR | MO | DAY: 97 | 12 | 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**

DISCHARGE MONITORING REPORT (DMR)

Form No. 2040-0004

ADDRESS: **626 HANOVER PIKE**

MD0001881
PERMIT NUMBER

201
DISCHARGE NUMBER

HAMPSTEAD, MD. 21074

(2-16)

(17-19)

FACILITY:

MONITORING PERIOD

LOCATION: **CARROLL COUNTY**

FROM

| YEAR | MO | DAY |
|------|----|-----|
| 97 | 11 | 01 |

TO

| YEAR | MO | DAY |
|------|----|-----|
| 97 | 11 | 30 |

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (38-45) | | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-66) | SAMPLE TYPE (69-70) |
|-----------------------|--------------------|---|----------|-------|--|---------|---------|-------|-------------------|----------------------------------|------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| FLOW | SAMPLE MEASUREMENT | 0.213 | 0.238 | MGD | | | | | 0 | CONTINUOUS | MEASURED |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | | | |
| 1,1,1-TRICHLOROETHANE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | | N/A | | | 1/MONTH | GRAB |
| TETRACHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | | N/A | | | 1/MONTH | GRAB |
| TRICHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH | GRAB |
| | PERMIT REQUIREMENT | | | | | | N/A | | | 1/MONTH | GRAB |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
LaVere N. Grimes
Facilities Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

LaVere N. Grimes
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE
410-239-5555
AREA CODE-NUMBER
DATE
97 | 12 | 01
YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)
 NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)


FORM APPROVED
 OMB No.2040-0004

| | |
|-----------------|------------------|
| MD001881 | 001 |
| PERMIT NUMBER | DISCHARGE NUMBER |
| (2-16) | (17-19) |

FACILITY: _____
 LOCATION: **CARROLL COUNTY**

| MONITORING PERIOD | | | | | |
|-------------------|---------|---------|---------|---------|---------|
| YEAR | MO | DAY | YEAR | MO | DAY |
| 97 | 12 | 01 | 97 | 12 | 31 |
| (20-21) | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | (3 Card Only) (46-53) QUANTITY OR LOADING (54-61) | | | (4 Card Only) QUALITY OR CONCENTRATION | | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) | |
|--|--------------------|---|----------|-------|---|---------|---------|-------|-------------------|----------------------------------|------------------------|--|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | | |
| FLOW | SAMPLE MEASUREMENT | 0.223 | 0.248 | MGD | | | | | 0 | CONTINUOUS | MEASURED | |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | | CONTINUOUS | MEASURED | |
| 1,1,1-TRICHLOROETHANE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH | GRAB | |
| | PERMIT REQUIREMENT | | | | | | 5 | | | 1/MONTH | GRAB | |
| TETRACHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH | GRAB | |
| | PERMIT REQUIREMENT | | | | | | 5 | | | 1/MONTH | GRAB | |
| TRICHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH | GRAB | |
| | PERMIT REQUIREMENT | | | | | | 5 | | | 1/MONTH | GRAB | |
| TOTAL RESIDUAL CHLORINE | SAMPLE MEASUREMENT | | | | | | <0.1 | mg/l | 0 | 4/MONTH | GRAB | |
| | PERMIT REQUIREMENT | | | | | | <0.1 | | | 1/MONTH | GRAB | |
| OIL & GREASE | SAMPLE MEASUREMENT | | | | | | <5 | mg/l | 0 | 1/MONTH | GRAB | |
| | PERMIT REQUIREMENT | | | | | 10 | 15 | | | 1/MONTH | GRAB | |
| pH | SAMPLE MEASUREMENT | | | | 6.49 | | 7.43 | STD | 0 | 2/WEEK | GRAB | |
| | PERMIT REQUIREMENT | | | | 6.00 | | 8.50 | | | 2/WEEK | GRAB | |
| NAME / TITLE PRINCIPAL EXECUTIVE OFFICER | | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | | | | | | | TELEPHONE | | DATE | |
| LaVere N. Grimes Facilities Manager | | | | | | | | | 410-239-5555 | | 98 01 06 | |
| TYPED OR PRINTED | | | | | | | | | AREA CODE-NUMBER | | YEAR MO DAY | |
| SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | |  | | | | | | | | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

FACILITY:

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881
 PERMIT NUMBER

001
 DISCHARGE NUMBER

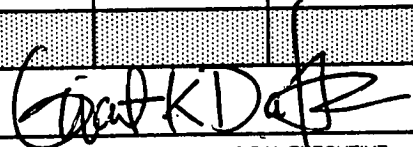
(2-16)

(17-19)

MONITORING PERIOD

FROM: YEAR 97 MO 12 DAY 01 TO YEAR 97 MO 12 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | X | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) | | | (4 Card Only) QUALITY OR CONCENTRATION | | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) | | | | | | |
|--|--------------------|--|---------|-------|---|---------|---------|-------|---|--|---------------------------|------|--|--|--|--------------|--------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | | | | | | | |
| BOD | SAMPLE MEASUREMENT | | | | | | | 5 | mg/l | 0 | 1/MONTH | GRAB | | | | | |
| | PERMIT REQUIREMENT | | | | | | | 15 | | | 1/MONTH | GRAB | | | | | |
| TOTAL SUSPENDED SOLIDS | SAMPLE MEASUREMENT | | | | | 7 | | 9 | mg/l | 0 | 1/MONTH | GRAB | | | | | |
| | PERMIT REQUIREMENT | | | | | 20 | | 30 | | | 1/MONTH | GRAB | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | | | | | | |
| NAME / TITLE PRINCIPAL EXECUTIVE OFFICER | | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | | | | | | | TELEPHONE | DATE | | | | | | | |
| LaVere N. Grimes Facilities Manager | | | | | | | | |  SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | | | | | | 410-239-5555 | 98 01 06 |
| TYPED OR PRINTED | | | | | | | | | | | | | | | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)
NAME: BLACK & DECKER (U.S.) INC.
ADDRESS: 626 HANOVER PIKE
HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No.2040-0004

MD0001881
 PERMIT NUMBER

101
 DISCHARGE NUMBER

(2-16)

(17-19)

FACILITY: _____

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD

| | | | | | | | |
|------|---------|---------|---------|----|---------|---------|---------|
| FROM | YEAR | MO | DAY | TO | YEAR | MO | DAY |
| | 97 | 12 | 01 | | 97 | 12 | 31 |
| | (20-21) | (22-23) | (24-25) | | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | (3 Card Only) (46-53) QUANTITY OR LOADING (54-61) | | | (4 Card Only) QUALITY OR CONCENTRATION | | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|----------------------|--------------------|---|----------|-------|---|---------|---------|---------------|-------------------|----------------------------------|------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| FLOW | SAMPLE MEASUREMENT | 0.534 | 0.563 | MGD | | | | | 0 | CONTINUOUS MEASURED | |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | | | |
| FECAL COLIFORM | SAMPLE MEASUREMENT | | | | | | <2 | MPN/ 100ml | 0 | 1/WEEK | GRAB |
| | PERMIT REQUIREMENT | | | | | | 200 | | | 1/WEEK | GRAB |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
LaVere N. Grimes
Facilities Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEP 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

LaVere N. Grimes
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
410-239-5555
 AREA CODE-NUMBER

DATE
98 | 01 | 06
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS
 (Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)
 NAME: **BLACK & DECKER (U.S.) INC.**
 ADDRESS: **626 HANOVER PIKE**
HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No. 2040-0004

MD0001881
 PERMIT NUMBER

201
 DISCHARGE NUMBER

(2-16)


(17-19)

FACILITY: _____

LOCATION: **CARROLL COUNTY**

| MONITORING PERIOD | | | | | |
|-------------------|---------|---------|---------|---------|---------|
| YEAR | MO | DAY | YEAR | MO | DAY |
| 97 | 12 | 01 | 97 | 12 | 31 |
| (20-21) | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | SAMPLE MEASUREMENT | (3 Card Only) (46-53) QUANTITY OR LOADING (54-61) | | | (4 Card Only) QUALITY OR CONCENTRATION | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|--|---|---|----------|-------|---|---------|---------|-------------------|----------------------------------|------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| FLOW | SAMPLE MEASUREMENT | 0.207 | 0.234 | MGD | | | | 0 | CONTINUOUS | MEASURED |
| | PERMIT REQUIREMENT | NO LIMIT | NO LIMIT | | | | | | CONTINUOUS | MEASURED |
| 1,1,1-TRICHLOROETHANE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH GRAB |
| | PERMIT REQUIREMENT | | | | | | N/A | | | 1/MONTH GRAB |
| TETRACHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH GRAB |
| | PERMIT REQUIREMENT | | | | | | N/A | | | 1/MONTH GRAB |
| TRICHLOROETHYLENE | SAMPLE MEASUREMENT | | | | | | <5 | ppb | 0 | 1/MONTH GRAB |
| | PERMIT REQUIREMENT | | | | | | N/A | | | 1/MONTH GRAB |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | |
| NAME / TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | | | | | | | TELEPHONE | DATE | |
| LaVere N. Grimes Facilities Manager |  SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | | | | | | 410-239-5555 | 98 01 06 | |
| TYPED OR PRINTED | | | | | | | | AREA CODE-NUMBER | YEAR MO DAY | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

APPENDIX B
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS
(OCTOBER - DECEMBER 1997)

Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

Page 4 of 10

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Report no: 9704238

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Stripper #2(Pre), Grab, collected on 01-Oct-1997(08)
Laboratory Sample Number: 970021671

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|----------------------------------|--------------|-----------------|---------|---------|------------------|
| Acrolein | <100 ppb | 100 ppb | EPA-624 | TLN | 13-Oct-97 |
| Acrylonitrile | <100 ppb | 100 ppb | EPA-624 | TLN | 13-Oct-97 |
| Benzene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Bromomethane | <10 ppb | 10 ppb | EPA-624 | TLN | 13-Oct-97 |
| Carbon Tetrachloride | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Chlorobenzene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Chloromethane | <10 ppb | 10 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,2-Dichloropropane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,1,1-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,1-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Chloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 2-Chloroethylvinyl Ether | <10 ppb | 10 ppb | EPA-624 | TLN | 13-Oct-97 |
| Chloroform | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,1-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| trans-1,2-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,2-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| cis-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| trans-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Ethylbenzene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Methylene Chloride | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,1,2-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Bromodichloromethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Bromoform | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Dibromochloromethane | 85 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Trichlorofluoromethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| 1,1,2,2-Tetrachloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Tetrachloroethene | 200 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Toluene | <5 ppb | 5 ppb | EPA-624 | TLN | 13-Oct-97 |
| Trichloroethene | 640 ppb | 100 ppb | EPA-624 | TLN | 13-Oct-97 |
| Vinyl Chloride | <10 ppb | 10 ppb | EPA-624 | TLN | 13-Oct-97 |
| Total Xylenes | <10 ppb | 10 ppb | EPA-624 | TLN | 13-Oct-97 |
| Dibromofluoromethane(surrogate) | 93 % Rec | NA | EPA-624 | TLN | 13-Oct-97 |
| 1,2-Dichloroethane-d4(surrogate) | 103 % Rec | NA | EPA-624 | TLN | 13-Oct-97 |
| Toluene-d8(surrogate) | 101 % Rec | NA | EPA-624 | TLN | 13-Oct-97 |

Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 5 of 10

Report no: 9704238

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Stripper #2(Pre), Grab, collected on 01-Oct-1997(08)
Laboratory Sample Number: 970021671

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|-------------------------------|--------------|-----------------|---------|---------|------------------|
| Bromofluorobenzene(surrogate) | 100 % Rec | NA | EPA-624 | TLN | 13-Oct-97 |

Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

Page 6 of 10

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Report no: 9704238

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, Grab, collected on 01-Oct-1997(08:43)
Laboratory Sample Number: 970021672

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|----------------------------------|--------------|-----------------|---------|---------|------------------|
| Acrolein | <100 ppb | 100 ppb | EPA-624 | TLN | 11-Oct-97 |
| Acrylonitrile | <100 ppb | 100 ppb | EPA-624 | TLN | 11-Oct-97 |
| Benzene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Bromomethane | <10 ppb | 10 ppb | EPA-624 | TLN | 11-Oct-97 |
| Carbon Tetrachloride | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Chlorobenzene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Chloromethane | <10 ppb | 10 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,2-Dichloropropane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,1,1-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,1-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Chloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 2-Chloroethylvinyl Ether | <10 ppb | 10 ppb | EPA-624 | TLN | 11-Oct-97 |
| Chloroform | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,1-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| trans-1,2-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,2-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| cis-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| trans-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Ethylbenzene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Methylene Chloride | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,1,2-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Bromodichloromethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Bromoform | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Dibromochloromethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Trichlorofluoromethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| 1,1,2,2-Tetrachloroethane | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Tetrachloroethene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Toluene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Trichloroethene | <5 ppb | 5 ppb | EPA-624 | TLN | 11-Oct-97 |
| Vinyl Chloride | <10 ppb | 10 ppb | EPA-624 | TLN | 11-Oct-97 |
| Total Xylenes | <10 ppb | 10 ppb | EPA-624 | TLN | 11-Oct-97 |
| Dibromofluoromethane(surrogate) | 102 % Rec | NA | EPA-624 | TLN | 11-Oct-97 |
| 1,2-Dichloroethane-d4(surrogate) | 104 % Rec | NA | EPA-624 | TLN | 11-Oct-97 |
| Toluene-d8(surrogate) | 101 % Rec | NA | EPA-624 | TLN | 11-Oct-97 |

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 7 of 10

Report no: 9704238

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, Grab, collected on 01-Oct-1997(08:43)
Laboratory Sample Number: 970021672

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|-------------------------------|--------------|-----------------|---------|---------|------------------|
| Bromofluorobenzene(surrogate) | 101 % Rec | NA | EPA-624 | TLN | 11-Oct-97 |

Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

Page 5 of 12

www.gascoyne.com

Report no: 9704962

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Strip #2(Pre), Grb, collected on 05-Nov-1997(08:20)
Laboratory Sample Number: 970024834

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|----------------------------------|--------------|-----------------|---------|---------|------------------|
| Acrolein | <100 ppb | 100 ppb | EPA-624 | SJN | 18-Nov-97 |
| Acrylonitrile | <100 ppb | 100 ppb | EPA-624 | SJN | 18-Nov-97 |
| Benzene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Bromomethane | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Carbon Tetrachloride | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chlorobenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chloromethane | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,2-Dichloropropane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1,1-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chloroethane | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| 2-Chloroethylvinyl Ether | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chloroform | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| trans-1,2-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,2-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| cis-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| trans-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Ethylbenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Methylene Chloride | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1,2-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Bromodichloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Bromoform | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Dibromochloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Trichlorofluoromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1,2,2-Tetrachloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Tetrachloroethene | 210 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Toluene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Trichloroethene | 760 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Vinyl Chloride | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Total Xylenes | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Dibromofluoromethane(surrogate) | 102 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |
| 1,2-Dichloroethane-d4(surrogate) | 92 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |
| Toluene-d8(surrogate) | 93 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |

Gascoyne Laboratories, Inc.



YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

Page 6 of 12

www.gascoyne.com

Report no: 9704962

Client: Black & Decker Company

Sample id: Collected samples by: Gascoyne Labs, Inc. Air Strip #2(Pre), Grb, collected on 05-Nov-1997(08:20)
Laboratory Sample Number: 970024834

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|-------------------------------|--------------|-----------------|---------|---------|------------------|
| Bromofluorobenzene(surrogate) | 104 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |



Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

Page 7 of 12

www.gascoyne.com

Report no: 9704962

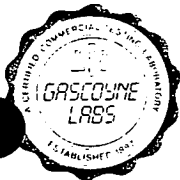
Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, Grab, collected on 05-Nov-1997(08:22)

Laboratory Sample Number: 970024835

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|----------------------------------|--------------|-----------------|---------|---------|------------------|
| Acrolein | <100 ppb | 100 ppb | EPA-624 | SJN | 18-Nov-97 |
| Acrylonitrile | <100 ppb | 100 ppb | EPA-624 | SJN | 18-Nov-97 |
| Benzene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Bromomethane | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Carbon Tetrachloride | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chlorobenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chloromethane | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,2-Dichloropropane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1,1-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chloroethane | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| 2-Chloroethylvinyl Ether | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Chloroform | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| trans-1,2-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,2-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| cis-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| trans-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Ethylbenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Methylene Chloride | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1,2-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Bromodichloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Bromoform | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Dibromochloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Trichlorofluoromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| 1,1,2,2-Tetrachloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Tetrachloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Toluene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Trichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 18-Nov-97 |
| Vinyl Chloride | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Total Xylenes | <10 ppb | 10 ppb | EPA-624 | SJN | 18-Nov-97 |
| Dibromofluoromethane(surrogate) | 103 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |
| 1,2-Dichloroethane-d4(surrogate) | 93 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |
| Toluene-d8(surrogate) | 91 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |

Gascoyne Laboratories, Inc.



YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 8 of 12

Report no: 9704962

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, Grab, collected on 05-Nov-1997(08:22)

Laboratory Sample Number: 970024835

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|-------------------------------|--------------|-----------------|---------|---------|------------------|
| Bromofluorobenzene(surrogate) | 102 % Rec | NA | EPA-624 | SJN | 18-Nov-97 |

Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

Page 4 of 19

www.gascoyne.com

Report no: 9705534

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Strip #2(Pre), Grb, collected on 03-Dec-1997(08:05)
Laboratory Sample Number: 970027539

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|----------------------------------|--------------|-----------------|---------|---------|------------------|
| Acrolein | <100 ppb | 100 ppb | EPA-624 | SJN | 12-Dec-97 |
| Acrylonitrile | <100 ppb | 100 ppb | EPA-624 | SJN | 12-Dec-97 |
| Benzene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Bromomethane | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Carbon Tetrachloride | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chlorobenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chloromethane | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,2-Dichloropropane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1,1-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 2-Chloroethylvinyl Ether | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chloroform | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| trans-1,2-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,2-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| cis-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| trans-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Ethylbenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Methylene Chloride | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1,2-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Bromodichloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Bromoform | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Dibromochloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Trichlorofluoromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1,2,2-Tetrachloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Tetrachloroethene | 240 ppb | 50 ppb | EPA-624 | SJN | 13-Dec-97 |
| Toluene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Trichloroethene | 750 ppb | 50 ppb | EPA-624 | SJN | 12-Dec-97 |
| Vinyl Chloride | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Total Xylenes | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Dibromofluoromethane(surrogate) | 100 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |
| 1,2-Dichloroethane-d4(surrogate) | 103 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |
| Toluene-d8(surrogate) | 106 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |

Gascoyne Laboratories, Inc.



YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 5 of 19

Report no: 9705534

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Strip #2(Pre), Grb, collected on 03-Dec-1997(08:05)
Laboratory Sample Number: 970027539

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|-------------------------------|--------------|-----------------|---------|---------|------------------|
| Bromofluorobenzene(surrogate) | 112 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |

Gascoyne Laboratories, Inc.

YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 6 of 19

Report no: 9705534

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, Grab, collected on 03-Dec-1997(08:07)
Laboratory Sample Number: 970027540

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|----------------------------------|--------------|-----------------|---------|---------|------------------|
| Acrolein | <100 ppb | 100 ppb | EPA-624 | SJN | 12-Dec-97 |
| Acrylonitrile | <100 ppb | 100 ppb | EPA-624 | SJN | 12-Dec-97 |
| Benzene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Bromomethane | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Carbon Tetrachloride | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chlorobenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chloromethane | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,2-Dichloropropane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1,1-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 2-Chloroethylvinyl Ether | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Chloroform | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| trans-1,2-Dichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,2-Dichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| cis-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| trans-1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,3-Dichloropropene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Ethylbenzene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Methylene Chloride | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1,2-Trichloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Bromodichloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Bromoform | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Dibromochloromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Trichlorofluoromethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| 1,1,2,2-Tetrachloroethane | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Tetrachloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Toluene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Trichloroethene | <5 ppb | 5 ppb | EPA-624 | SJN | 12-Dec-97 |
| Vinyl Chloride | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Total Xylenes | <10 ppb | 10 ppb | EPA-624 | SJN | 12-Dec-97 |
| Dibromofluoromethane(surrogate) | 98 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |
| 1,2-Dichloroethane-d4(surrogate) | 101 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |
| Toluene-d8(surrogate) | 108 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |

Gascoyne Laboratories, Inc.



YOUR ON-TIME QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 7 of 19

Report no: 9705534

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, Grab, collected on 03-Dec-1997(08:07)
Laboratory Sample Number: 970027540

| Parameter | Test Results | Reporting Limit | Method | Analyst | Date of Analysis |
|-------------------------------|--------------|-----------------|---------|---------|------------------|
| Bromofluorobenzene(surrogate) | 111 % Rec | NA | EPA-624 | SJN | 12-Dec-97 |

APPENDIX C
GROUNDWATER ANALYTICAL DATA PACKAGE
(NOVEMBER 1997)



**RECRA
LabNet**

a division of Recra Environmental, Inc.

Virtual Laboratories Everywhere

**Recra LabNet Philadelphia
Analytical Report**

Client : BLACK & DECKER-HAMPSTEAD
RFW# : 9711L400

W.O. #: 02501-004-001-0200-00

Date Received: 11-20-97

GC/MS VOLATILE

The set of samples consisted of thirty-six (36) water samples collected on 11-18,19-97.

The samples were analyzed according to criteria set forth in SW 846 Method 8240 for TCL Volatile target compounds on 11-30-97 and 12-01,02-97.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.
2. The required holding time for analysis was met.
3. Non-target compounds were detected in these samples.
4. Nine (9) samples required dilutions (ranging from two-fold to 25-fold) because they contained high levels of target compounds.
5. All surrogate recoveries were within EPA QC limits.
6. All matrix spike recoveries were within EPA QC limits.
7. All blank spike recoveries were within EPA QC limits.
8. The method blanks contained the common contaminants Methylene Chloride and Acetone at levels less than 4x the CRQL and the target compound Chloromethane at levels less than the CRQL.

J. Michael Taylor
for J. Michael Taylor
Vice President and Laboratory Manager
Lionville Analytical Laboratory

1-9-98

Date

mmz/voa/11-400v.cn

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 64 pages.

GLOSSARY OF VOA DATA

DATA QUALIFIERS

- U = Compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit which is included and corrected for dilution and percent moisture.
- J = Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; or 2) when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. For example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.
- E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- D = Identifies all compounds identified in an analysis at a secondary dilution factor.
- I = Interference.
- NQ = Result qualitatively confirmed but not able to quantify.
- N = Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- X = This flag is used for a TIC compound which is quantified relative to a response factor generated from a daily calibration standard (rather than quantified relative to the closest internal standard).
- Y = Additional qualifiers used as required are explained in the case narrative.



GLOSSARY OF VOA DATA

ABBREVIATIONS

- BS** = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spike solutions and carried through all the steps in the method. Spike recoveries are reported.
- BSD** = Indicates blank spike duplicate.
- MS** = Indicates matrix spike.
- MSD** = Indicates matrix spike duplicate.
- DL** = Suffix added to sample number to indicate that results are from a diluted analysis.
- NA** = Not Applicable.
- DF** = Dilution Factor.
- NR** = Not Required.
- SP, Z** = Indicates Spiked Compound.

| Cust ID: | RFW-19 | RFW-18 | RFW-17 | RFW-2A | RFW-2A | RFW-2A |
|----------------|--------|--------|--------|--------|--------|---------|
| RFW#: | 001 | 002 | 003 | 004 | 004 MS | 004 MSD |
| Toluene | 5 U | 5 U | 5 U | 5 U | 99 % | 101 % |
| Chlorobenzene | 5 U | 5 U | 5 U | 5 U | 99 % | 99 % |
| Ethylbenzene | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Styrene | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Xylene (total) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

*= Outside of EPA CLP QC limits.

605

| Cust ID: | RFW-2B | RFW-7 | RFW-1A | EW-5 | EW-4 | RFW-21 |
|----------------|--------|-------|--------|------|-------|--------|
| RFW#: | 005 | 006 | 007 | 008 | 009 | 010 |
| Toluene | 5 U | 5 U | 5 U | 50 U | 120 U | 5 U |
| Chlorobenzene | 5 U | 5 U | 5 U | 50 U | 120 U | 5 U |
| Ethylbenzene | 5 U | 5 U | 5 U | 50 U | 120 U | 5 U |
| Styrene | 5 U | 5 U | 5 U | 50 U | 120 U | 5 U |
| Xylene (total) | 5 U | 5 U | 5 U | 50 U | 120 U | 5 U |

*= Outside of EPA CLP QC limits.

Handwritten: 100

Recra LabNet - Knoxville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 01/07/98 14:12

RFW Batch Number: 9711L400

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 3a

| Sample Information | Cust ID: | RFW-21 | RFW-21 | RFW-20 | RFW-20 DUP | EW-2 | EW-3 |
|--|-----------------------|--------|---------|--------|------------|-------|-------|
| | RFW#: | 010 MS | 010 MSD | 011 | 012 | 013 | 014 |
| | Matrix: | WATER | WATER | WATER | WATER | WATER | WATER |
| | D.F.: | 1.00 | 1.00 | 1.00 | 1.00 | 20.0 | 10.0 |
| | Units: | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| Surrogate | Toluene-d8 | 101 % | 102 % | 101 % | 104 % | 100 % | 106 % |
| Recovery | Bromofluorobenzene | 102 % | 104 % | 96 % | 105 % | 102 % | 107 % |
| | 1,2-Dichloroethane-d4 | 100 % | 103 % | 104 % | 103 % | 106 % | 108 % |
| =====fl=====fl=====fl=====fl=====fl=====fl=====fl===== | | | | | | | |
| Chloromethane | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| Bromomethane | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| Vinyl Chloride | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| Chloroethane | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| Methylene Chloride | | 2 BJ | 5 BJ | 3 BJ | 3 BJ | 70 BJ | 57 B |
| Acetone | | 10 U | 10 U | 10 U | 10 U | 200 U | 50 JB |
| Carbon Disulfide | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| 1,1-Dichloroethene | | 98 % | 93 % | 5 U | 5 U | 100 U | 50 U |
| 1,1-Dichloroethane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| 1,2-Dichloroethene (total) | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Chloroform | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| 1,2-Dichloroethane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| 2-Butanone | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| 1,1,1-Trichloroethane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Carbon Tetrachloride | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Vinyl Acetate | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| Bromodichloromethane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| 1,2-Dichloropropane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| cis-1,3-Dichloropropene | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Trichloroethene | | 101 % | 97 % | 18 | 19 | 3000 | 1000 |
| Dibromochloromethane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| 1,1,2-Trichloroethane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Benzene | | 101 % | 99 % | 5 U | 5 U | 100 U | 50 U |
| Trans-1,3-Dichloropropene | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Bromoform | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| 4-Methyl-2-pentanone | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| 2-Hexanone | | 10 U | 10 U | 10 U | 10 U | 200 U | 100 U |
| Tetrachloroethene | | 5 U | 5 U | 5 U | 5 U | 110 | 21 J |
| 1,1,2,2-Tetrachloroethane | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |

*= Outside of EPA CLP QC limits.

| | Cust ID: | RFW-21 | RFW-21 | RFW-20 | RFW-20 DUP | EW-2 | EW-3 |
|----------------|----------|--------|---------|--------|------------|-------|------|
| | RFW#: | 010 MS | 010 MSD | 011 | 012 | 013 | 014 |
| Toluene | | 99 % | 101 % | 5 U | 5 U | 100 U | 50 U |
| Chlorobenzene | | 98 % | 99 % | 5 U | 5 U | 100 U | 50 U |
| Ethylbenzene | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Styrene | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |
| Xylene (total) | | 5 U | 5 U | 5 U | 5 U | 100 U | 50 U |

*= Outside of EPA CLP QC limits.

609

Recra LabNet - ville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 01/07/98 14:12

RFW Batch Number: 9711L400

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 4a

| | Cust ID: LEISTER-DAIR | LEISTER-1 | LEISTER-2 | EW-6 | EW-7 | RFW-13 | |
|--|-----------------------|-----------|-----------|-------|-------|--------|-------|
| | Y | | | | | | |
| Sample | RFW#: | 015 | 016 | 017 | 018 | 019 | 020 |
| Information | Matrix: | WATER | WATER | WATER | WATER | WATER | WATER |
| | D.F.: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | Units: | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| | Toluene-d8 | 100 % | 99 % | 98 % | 102 % | 102 % | 104 % |
| Surrogate | Bromofluorobenzene | 98 % | 100 % | 98 % | 104 % | 101 % | 100 % |
| Recovery | 1,2-Dichloroethane-d4 | 102 % | 99 % | 103 % | 100 % | 100 % | 103 % |
| =====fl=====fl=====fl=====fl=====fl=====fl=====fl===== | | | | | | | |
| Chloromethane | | 10 U | 10 U | 10 U | 10 U | 10 U | 3 JB |
| Bromomethane | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Vinyl Chloride | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chloroethane | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Methylene Chloride | | 6 B | 5 B | 3 BJ | 6 B | 5 B | 4 JB |
| Acetone | | 10 U | 10 U | 10 U | 10 U | 10 U | 6 JB |
| Carbon Disulfide | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethene (total) | | 5 U | 5 U | 5 U | 1 J | 12 | 5 U |
| Chloroform | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 1,1,1-Trichloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Acetate | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Bromodichloromethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichloroethene | | 5 U | 5 U | 5 U | 16 | 18 | 6 |
| Dibromochloromethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trans-1,3-Dichloropropene | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromoform | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-Hexanone | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Tetrachloroethene | | 3 J | 5 U | 5 U | 68 | 44 | 43 |
| 1,1,2,2-Tetrachloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

*= Outside of EPA CLP QC limits.

Cust ID: LEISTER-DAIR LEISTER-1 LEISTER-2 EW-6 EW-7 RFW-13

Y

RFW#: 015 016 017 018 019 020

| | 015 | 016 | 017 | 018 | 019 | 020 |
|----------------|-----|-----|-----|-----|-----|-----|
| Toluene | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Styrene | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Xylene (total) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

Oil

*= Outside of EPA CLP QC limits.

| Cust ID: | EW-8 | EW-8 DUP | HAMP-22 | RFW-4A | RFW-4B | RFW-9 |
|----------------|------|----------|---------|--------|--------|-------|
| RFW#: | 021 | 022 | 023 | 024 | 025 | 026 |
| Toluene | 10 U | 10 U | 5 U | 10 U | 5 U | 5 U |
| Chlorobenzene | 10 U | 10 U | 5 U | 10 U | 5 U | 5 U |
| Ethylbenzene | 10 U | 10 U | 5 U | 10 U | 5 U | 5 U |
| Styrene | 10 U | 10 U | 5 U | 10 U | 5 U | 5 U |
| Xylene (total) | 10 U | 10 U | 5 U | 10 U | 5 U | 5 U |

*= Outside of EPA CLP QC limits.

510

Recra LabNet - ville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 01/07/98 14:12

RFW Batch Number: 9711L400

Client: BLACK&DECKER-HAMPSTEAD Work Order: 02501004001 Page: 6a

| | Cust ID: | RFW-1B | RFW-3B | RFW-6 | RFW-11A | RFW-11B | RFW-12B | |
|--|-----------------------|--------|--------|-------|---------|---------|---------|--|
| Sample | RFW#: | 027 | 028 | 029 | 030 | 031 | 032 | |
| Information | Matrix: | WATER | WATER | WATER | WATER | WATER | WATER | |
| | D.F.: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 25.0 | |
| | Units: | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | |
| | Toluene-d8 | 104 % | 104 % | 104 % | 104 % | 98 % | 100 % | |
| Surrogate | Bromofluorobenzene | 96 % | 104 % | 102 % | 104 % | 98 % | 102 % | |
| Recovery | 1,2-Dichloroethane-d4 | 104 % | 99 % | 103 % | 107 % | 97 % | 103 % | |
| =====fl=====fl=====fl=====fl=====fl=====fl=====fl===== | | | | | | | | |
| Chloromethane | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| Bromomethane | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| Vinyl Chloride | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| Chloroethane | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| Methylene Chloride | | 2 BJ | 2 BJ | 2 BJ | 2 BJ | 2 JB | 120 BJ | |
| Acetone | | 10 U | 10 U | 6 BJ | 10 U | 10 U | 250 U | |
| Carbon Disulfide | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| 1,1-Dichloroethene | | 5 U | 1 J | 5 U | 5 U | 5 U | 120 U | |
| 1,1-Dichloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| 1,2-Dichloroethene (total) | | 5 U | 51 | 3 J | 5 U | 5 U | 120 U | |
| Chloroform | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| 1,2-Dichloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| 2-Butanone | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| 1,1,1-Trichloroethane | | 5 U | 4 J | 5 U | 5 U | 5 U | 120 U | |
| Carbon Tetrachloride | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| Vinyl Acetate | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| Bromodichloromethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| 1,2-Dichloropropane | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| cis-1,3-Dichloropropene | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| Trichloroethene | | 5 U | 29 | 23 | 92 | 49 | 3000 | |
| Dibromochloromethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| 1,1,2-Trichloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| Benzene | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| Trans-1,3-Dichloropropene | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| Bromoform | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |
| 4-Methyl-2-pentanone | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| 2-Hexanone | | 10 U | 10 U | 10 U | 10 U | 10 U | 250 U | |
| Tetrachloroethene | | 5 U | 50 | 22 | 2 J | 5 U | 80 J | |
| 1,1,2,2-Tetrachloroethane | | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U | |

*= Outside of EPA CLP QC limits.

| Cust ID: | RFW-1B | RFW-3B | RFW-6 | RFW-11A | RFW-11B | RFW-12B |
|----------------|--------|--------|-------|---------|---------|---------|
| RFW#: | 027 | 028 | 029 | 030 | 031 | 032 |
| Toluene | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U |
| Chlorobenzene | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U |
| Ethylbenzene | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U |
| Styrene | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U |
| Xylene (total) | 5 U | 5 U | 5 U | 5 U | 5 U | 120 U |

*= Outside of EPA CLP QC limits.

015

| | | | | | | |
|----------|-------|------|------------|-------------|--------------|--------------|
| Cust ID: | EW-10 | EW-9 | TRIP BLANK | FIELD BLANK | VBLKKC | VBLKQC |
| RFW#: | 033 | 034 | 035 | 036 | 97LVC371-MB1 | 97LVC373-MB1 |

| | | | | | | |
|----------------|-----|------|-----|-----|-----|-----|
| Toluene | 5 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | 5 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | 5 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Styrene | 5 U | 25 U | 5 U | 5 U | 5 U | 5 U |
| Xylene (total) | 5 U | 25 U | 5 U | 5 U | 5 U | 5 U |

*= Outside of EPA CLP QC limits.

0.17

Cust ID: VBLKQC BS VBLKQA

RFW#: 97LVC373-MB1 97LVC372-MB1

| | | | | |
|----------------|-----|---|---|---|
| Toluene | 99 | % | 5 | U |
| Chlorobenzene | 100 | % | 5 | U |
| Ethylbenzene | 5 | U | 5 | U |
| Styrene | 5 | U | 5 | U |
| Xylene (total) | 5 | U | 5 | U |

*= Outside of EPA CLP QC limits.

019

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-19

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113012

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-18

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113013

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-17

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113014

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-2A

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120206

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-2B

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113015

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-7

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-006

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120106

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-1A

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-007

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113017

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|--------|------------|----|
| 1. | SILOXANE | 16.992 | 5 | JB |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-5

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-008

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120209

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 10.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-4

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-009

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120210

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 25.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-21

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120213

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-20

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-011

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120120

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-20 DUP

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120207

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | SILOXANE | 9.012 | 20 | J |

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-2

Lab Name: Recra.LabNet Contract: 02501004001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9711L400-013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c120212

Level: (low/med) LOW Date Received: 11/20/97

% Moisture: not dec. _____ Date Analyzed: 12/02/97

Column: (pack/cap) CAP Dilution Factor: 20.0

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-3

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-014

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120117

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 10.0

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LEISTER-DAIRY

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-015

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113018

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LEISTER-1

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-016

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113019

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LEISTER-2

Lab Name: Recra.LabNet Contract: 02501004001
 Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 9711L400-017
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c120119
 Level: (low/med) LOW Date Received: 11/20/97
 % Moisture: not dec. _____ Date Analyzed: 12/01/97
 Column: (pack/cap) CAP Dilution Factor: 1.00

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 9.392 | 40 | J |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-6

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-018

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113020

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|--------|------------|----|
| 1. | SILOXANE | 16.994 | 5 | JB |

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-7

Lab Name: Recra.LabNet Contract: 02501004001
 Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 9711L400-019
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c113021
 Level: (low/med) LOW Date Received: 11/20/97
 % Moisture: not dec. _____ Date Analyzed: 12/01/97
 Column: (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-13

Lab Name: Recra.LabNet Contract: 02501004001
 Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 9711L400-020
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c120205
 Level: (low/med) LOW Date Received: 11/20/97
 % Moisture: not dec. _____ Date Analyzed: 12/02/97
 Column: (pack/cap) CAP Dilution Factor: 1.00

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-8

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-021

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120114

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 2.00

Number TICs found: 1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | SILANE | 9.040 | 10 | J |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-8 DUP

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-022

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120208

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 2.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | SILANE | 9.020 | 10 | J |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HAMP-22

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-023

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113022

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | SILANE | 9.072 | 20 | J |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-4A

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-024

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120115

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 2.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-4B

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-025

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120113

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-9

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-026

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120118

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-1B

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-027

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120107

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-3B

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-028

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120108

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | SILANE | 9.058 | 8 | J |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-6

Lab Name: Recra.LabNet Contract: 02501004001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9711L400-029

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c120109

Level: (low/med) LOW Date Received: 11/20/97

% Moisture: not dec. _____ Date Analyzed: 12/01/97

Column: (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-11A

Lab Name: Recra.LabNet Contract: 02501004001
Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 9711L400-030
Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c120110
Level: (low/med) LOW Date Received: 11/20/97
% Moisture: not dec. _____ Date Analyzed: 12/01/97
Column: (pack/cap) CAP Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-11B

Lab Name: Recra.LabNet Contract: 02501004001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9711L400-031

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c120111

Level: (low/med) LOW Date Received: 11/20/97

% Moisture: not dec. _____ Date Analyzed: 12/01/97

Column: (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-12B

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-032

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120211

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 25.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-10

Lab Name: Recra.LabNet Contract: 02501004001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9711L400-033

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c120112

Level: (low/med) LOW Date Received: 11/20/97

% Moisture: not dec. _____ Date Analyzed: 12/01/97

Column: (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-9

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-034

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120116

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 5.00

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-035

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113010

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9711L400-036

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120105

Level: (low/med) LOW

Date Received: 11/20/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKKC

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 97LVC371-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c113007

Level: (low/med) LOW

Date Received: 11/30/97

% Moisture: not dec. _____

Date Analyzed: 11/30/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|--------|------------|---|
| 1. | SILOXANE | 16.951 | 2 | J |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKQC

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 97LVC373-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120204

Level: (low/med) LOW

Date Received: 12/02/97

% Moisture: not dec. _____

Date Analyzed: 12/02/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKQA

Lab Name: Recra.LabNet

Contract: 02501004001

Lab Code: Recra

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 97LVC372-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: c120104

Level: (low/med) LOW

Date Received: 12/01/97

% Moisture: not dec. _____

Date Analyzed: 12/01/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |

Recra LabNet - Lionville Laboratory
 VOA ANALYTICAL DATA PACKAGE FOR
 BLACK&DECKER-HAMPSTEAD

DATE RECEIVED: 11/20/97

RFW LOT # :9711L400

| CLIENT ID | RFW # | MTX | PREP # | COLLECTION | EXTR/PREP | ANALYSIS |
|---------------|---------|-----|----------|------------|-----------|----------|
| RFW-19 | 001 | W | 97LVC371 | 11/18/97 | N/A | 11/30/97 |
| RFW-18 | 002 | W | 97LVC371 | 11/18/97 | N/A | 11/30/97 |
| RFW-17 | 003 | W | 97LVC371 | 11/18/97 | N/A | 11/30/97 |
| RFW-2A | 004 | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| RFW-2A | 004 MS | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| RFW-2A | 004 MSD | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| RFW-2B | 005 | W | 97LVC371 | 11/18/97 | N/A | 11/30/97 |
| RFW-7 | 006 | W | 97LVC372 | 11/18/97 | N/A | 12/01/97 |
| RFW-1A | 007 | W | 97LVC371 | 11/18/97 | N/A | 11/30/97 |
| EW-5 | 008 | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| EW-4 | 009 | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| RFW-21 | 010 | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| RFW-21 | 010 MS | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| RFW-21 | 010 MSD | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| RFW-20 | 011 | W | 97LVC372 | 11/18/97 | N/A | 12/01/97 |
| RFW-20 DUP | 012 | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| EW-2 | 013 | W | 97LVC373 | 11/18/97 | N/A | 12/02/97 |
| EW-3 | 014 | W | 97LVC372 | 11/18/97 | N/A | 12/01/97 |
| LEISTER-DAIRY | 015 | W | 97LVC371 | 11/18/97 | N/A | 11/30/97 |
| LEISTER-1 | 016 | W | 97LVC371 | 11/18/97 | N/A | 12/01/97 |
| LEISTER-2 | 017 | W | 97LVC372 | 11/18/97 | N/A | 12/01/97 |
| EW-6 | 018 | W | 97LVC371 | 11/19/97 | N/A | 12/01/97 |
| EW-7 | 019 | W | 97LVC371 | 11/19/97 | N/A | 12/01/97 |
| RFW-13 | 020 | W | 97LVC373 | 11/19/97 | N/A | 12/02/97 |
| EW-8 | 021 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| EW-8 DUP | 022 | W | 97LVC373 | 11/19/97 | N/A | 12/02/97 |
| HAMP-22 | 023 | W | 97LVC371 | 11/19/97 | N/A | 12/01/97 |
| RFW-4A | 024 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-4B | 025 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-9 | 026 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-1B | 027 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-3B | 028 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-6 | 029 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-11A | 030 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-11B | 031 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| RFW-12B | 032 | W | 97LVC373 | 11/19/97 | N/A | 12/02/97 |
| EW-10 | 033 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |
| EW-9 | 034 | W | 97LVC372 | 11/19/97 | N/A | 12/01/97 |

059 Mr 1/9/98

Recra LabNet - Lionville Laboratory
VOA ANALYTICAL DATA PACKAGE FOR
BLACK&DECKER-HAMPSTEAD

DATE RECEIVED: 11/20/97

RFW LOT # :9711L400

| CLIENT ID | RFW # | MTX | PREP # | COLLECTION | EXTR/PREP | ANALYSIS |
|-------------|-------|-----|----------|------------|-----------|----------|
| TRIP BLANK | 035 | W | 97LVC371 | 11/18/97 | N/A | 11/30/97 |
| FIELD BLANK | 036 | W | 97LVC372 | 11/18/97 | N/A | 12/01/97 |

LAB QC:

| | | | | | | |
|--------|--------|---|----------|-----|-----|----------|
| VBLKKC | MB1 | W | 97LVC371 | N/A | N/A | 11/30/97 |
| VBLKQC | MB1 | W | 97LVC373 | N/A | N/A | 12/02/97 |
| VBLKQC | MB1 BS | W | 97LVC373 | N/A | N/A | 12/02/97 |
| VBLKQA | MB1 | W | 97LVC372 | N/A | N/A | 12/01/97 |



RECRA LabNet Use Only
9711L400

Custody Transfer Record/Lab Work Request

| | | | | | | | | | | | | | |
|--|--|----------------------|------------|-------------|----------|------|-------|-------|--|--|--|--|-----|
| Client <u>Black & Decker - HAMPSHIRE</u> | | Refrigerator # | | | | | | | | | | | |
| Est. Final Proj. Sampling Date <u>0300 0300 11.20.97</u> | | #/Type Container | Liquid | <u>2/10</u> | | | | | | | | | 061 |
| Project # <u>02501-004-001-0200 00</u> | | | Solid | | | | | | | | | | |
| Project Contact/Phone # <u>CHRIS HARRIS / 701-7203</u> | | Volume | Liquid | <u>40ml</u> | | | | | | | | | |
| RECRA Project Manager <u>MIKE YOUNG</u> | | | Solid | | | | | | | | | | |
| QC <u>SW846</u> Del <u>STD TAT 2B DAY</u> | | Preservatives | <u>HCl</u> | | | | | | | | | | |
| Date Rec'd <u>11/20/97</u> Date Due <u>12/10/97</u> | | ANALYSES REQUESTED → | ORGANIC | | | | | INORG | | | | | |
| Account # <u>BLADECHAMP</u> | | | VOA | BNA | Pest/PCB | Herb | Metal | CN | | | | | |

| MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish | Lab ID | Client ID/Description | Matrix QC Chosen (✓) | | Matrix | Date Collected | Time Collected | RECRA LabNet Use Only | | | | | | | | | | | |
|---|--------|-----------------------|----------------------|-----|--------|----------------|----------------|-----------------------|---|--|--|--|--|--|--|--|--|--|--|
| | | | MS | MSD | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 001 | RFW-17 | | | W | 11/10/97 | 0840 | 0624H | Y | | | | | | | | | | |
| | 2 | RFW-18 | | | | | 0900 | | | | | | | | | | | | |
| | 3 | RFW-17 | | | | | 0905 | | | | | | | | | | | | |
| | 4 | RFW-2A | | | | | 0930 | | | | | | | | | | | | |
| | 5 | RFW-2B | | | | | 0955 | | | | | | | | | | | | |
| | 6 | RFW-7 | | | | | 1010 | | | | | | | | | | | | |
| | 7 | RFW-1A | | | | | 1050 | | | | | | | | | | | | |
| | 8 | EW-5 | | | | | 1110 | | | | | | | | | | | | |
| | 9 | EW-4 | | | | | 1120 | | | | | | | | | | | | |
| | 10 | RFW-21 | | | | | 1300 | | | | | | | | | | | | |

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
VOA - method 8240
Temp 104

DATE/REVISIONS:

- 0/6 IEA 40ml VOA ~~Trainer DON'T MARK~~
- 0/7 2EA f f
- 0/8 1 f f
-
-
-

RECRA LabNet Use Only

Samples were:
 1) Shipped or Hand Delivered
 Airbill # _____
 2) Ambient or Chilled
 3) Received in Good Condition or N
 4) Labels Indicate Property Preserved or N
 5) Received Within Holding Times or N

COC Tape was:
 1) Present on Outer Package Y or N
 2) Unbroken on Outer Package Y or N
 3) Present on Sample Y or N
 4) Unbroken on Sample Y or N
 COC Record Present Upon Sample Rec'l or N

| Relinquished by | Received by | Date | Time | Relinquished by | Received by | Date | Time |
|--------------------|--------------------|-------|------|-----------------|-------------|------|------|
| <i>[Signature]</i> | <i>[Signature]</i> | 11/17 | 0855 | | | | |
| | | | | | | | |

Discrepancies Between Samples Labels and COC Record? or N

NOTES:



RECRA LabNet

RECRA LabNet Use Only
97116400

Custody Transfer Record/Lab Work Request

| | | | |
|--|-----------|--------------------|--------------------|
| Client <u>B+D - Hampton</u> | | Refrigerator # | |
| Est. Final Proj. Sampling Date | | #/Type Container | Liquid <u>2/2</u> |
| Project # <u>02501-004-001-0200</u> | | Solid | |
| Project Contact/Phone # <u>Chris Harris / 701-7203</u> | | Volume | Liquid <u>40.1</u> |
| RECRA Project Manager <u>Mike Young</u> | | Solid | |
| QC | Del | TAT | <u>28 DAY</u> |
| Date Rec'd | Account # | ANALYSES REQUESTED | |
| <u>See page 1</u> | <u>1</u> | | |

| MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish | Lab ID | Client ID/Description | Matrix QC Chosen (✓) | | Matrix | Date Collected | Time Collected | ORGANIC | | | | | INORG | |
|---|--------|-----------------------|-----------------------|-----|--------|----------------|----------------|---------|-----|----------|------|-------|-------|--|
| | | | MS | MSD | | | | VOA | BNA | Pest/PCB | Herb | Metal | CN | |
| | | | RECRA LabNet Use Only | | | | | | | | | | | |
| | 31 | RFW-20 | | | W | 11/10/97 | 1710 | X | | | | | | |
| | 12 | RFW-20 DUP. | | | | | 1710 | | | | | | | |
| | 13 | EW-2 | | | | | 1535 | | | | | | | |
| | 14 | EW-3 | | | | | 1545 | | | | | | | |
| | 15 | LEISTER-DAIRY | | | | | 1725 | | | | | | | |
| | 16 | LEISTER-1 | | | | | 1730 | | | | | | | |
| | 17 | LEISTER-2 | | | | | 1740 | | | | | | | |
| | 18 | EW-6 | | | | 11/19/97 | 0850 | | | | | | | |
| | 19 | EW-7 | | | | | 0900 | | | | | | | |
| | 30 | RFW-13 | | | | | 0925 | | | | | | | |

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

DATE/REVISIONS:

- _____
- _____
- _____
- _____
- _____
- _____

Special Instructions:

Temp 10.4

RECRA LabNet Use Only

Samples were: 1) Shipped _____ or Hand Delivered _____
 2) Ambient or Chilled _____
 3) Received in Good Condition Y or N
 4) Labels Indicate Properly Preserved Y or N
 5) Received Within Holding Times Y or N

COC Tape was:
 1) Present on Outer Package Y or N
 2) Unbroken on Outer Package Y or N
 3) Present on Sample Y or N
 4) Unbroken on Sample Y or N
 5) COC Record Present Upon Sample Rec'l Y or N

| Relinquished by | Received by | Date | Time | Relinquished by | Received by | Date | Time |
|--------------------|--------------------|----------|------|-----------------|-------------|------|------|
| <i>[Signature]</i> | <i>[Signature]</i> | 11/20/97 | 855 | | | | |

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES:



RECRA LabNet

RECRA LabNet Use Only
9711L400

Custody Transfer Record/Lab Work Request

Client B+D - HAMPSHIRE Refrigerator # _____

Est. Final Proj. Sampling Date _____ #/Type Container _____

Project # 02501-004-001-0200 Liquid 2/6 Solid _____

Project Contact/Phone # Chris Harris / 701-723 Volume _____ Liquid 40 Solid _____

RECRA Project Manager Mike Young Preservatives _____ HCl

QC _____ Del _____ TAT 28 days

Date Rec'd _____ Account # 500 DATE DUE (1)

ANALYSES REQUESTED →

| ORGANIC | | | | | INORG | |
|---------|-----|---------|------|-------|-------|--|
| VOA | BNA | Pes/PCB | Herb | Metal | CN | |

| MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish | Lab ID | Client ID/Description | Matrix QC Chosen (✓) | | Matrix | Date Collected | Time Collected | RECRA LabNet Use Only | | | | | | | | | | | | | |
|---|--------|-----------------------|----------------------|-----|--------|----------------|----------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | MS | MSD | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | 031 | RFW-11B | | | W | 11/19/97 | 1140 | X | | | | | | | | | | | | | |
| | 32 | RFW-12B | | | | | 1145 | | | | | | | | | | | | | | |
| | 33 | EW-10 | | | | | 1220 | | | | | | | | | | | | | | |
| | 34 | EW-9 | | | | | 1230 | | | | | | | | | | | | | | |
| | 35 | TRIP BLANK | | | | 11/20/97 | - | | | | | | | | | | | | | | |
| | 36 | FIELD BLANK | | | | | 0830 | | | | | | | | | | | | | | |

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

DATE/REVISIONS:

- _____
- _____
- _____
- _____
- _____
- _____

Special Instructions:

Temp 10.4

RECRA LabNet Use Only

Samples were: _____

1) Shipped or Hand Delivered _____
Airbill _____

2) Ambient or Cooled _____

3) Received in Good Condition Y or N _____

4) Labels indicate Properly Preserved Y or N _____

5) Received Within Holding Times Y or N _____

COC Tape was:

1) Present on Outer Package Y or N _____

2) Unbroken on Outer Package Y or N _____

3) Present on Sample Y or N _____

4) Unbroken on Sample Y or N _____

COC Record Present Upon Sample Rec'l Y or N _____

| Relinquished by | Received by | Date | Time | Relinquished by | Received by | Date | Time |
|--------------------|--------------------|----------|------|-----------------|-------------|------|------|
| <i>[Signature]</i> | <i>[Signature]</i> | 11/20/97 | 855 | | | | |

Discrepancies Between Samples Labels and COC Record? Y or N _____

NOTES: