QUARTERLY GROUNDWATER MONITORING REPORT

Prepared for

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

APRIL 1998

Prepared by

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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 January through March 1998.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. The daily groundwater treatment system pumping records are included in Appendix A.

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 136 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 January through March 1998 are included in Appendix B

2.3 GROUNDWATER QUALITY DATA

For the reporting period of January through March 1998, approximately 125 pounds of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment

Table 2-1
Treatment System Pumping Records - 1st Quarter 1998
Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
January 1998	6,169,693
February 1998	5,254,613
March 1998	6,211,987

Table 2-2
Groundwater Elevation Data - 1st Quarter 1998
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	1/19/98 DTW	1/19/98 ELEV	2/10/98 DTW	2/10/98 ELEV	3/18/98 DTW	3/18/98 ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--
EW-2	849.21	110	88.04	761.17	84.33	764.88	87.11	762.10
EW-3	846.64	118	84.73	761.91	88.23	758.41	86.99	759.65
EW-4	858.01	97.5	86.21	771.80	93.32	764.69	91.47	766.54
EW-5	864.17	98	88.28	775.89	88.06	776.11	87.43	776.74
EW-6	831.98	115	57.93	774.05	62.56	769.42	64.10	767.88
EW-7	818.38	78	47.26	771.12	44.51	773.87	42.41	775.97
EW-8	811.13	98	76.08	735.05	75.55	735.58	75.02	736.11
EW-9	811.35	141	99.84	711.51	99.50	711.85	99.50	711.85
EW-10	807.74	NA	55.14	752.60	63.68	744.06	59.74	748.00
RFW-1A	864.37	78	54.97	809.40	53.69	810.68	54.07	810.30
RFW-1B	864.23	200	54.94	809.29	53.69	810.54	54.06	810.17
RFW-2A	857.41	35	18.77	838.64	14.95	842.46	13.87	843.54
RFW-2B	857.73	75	20.04	837.69	15.60	842.13	14.83	842.90
RFW-3B	839.21	153	36.78	802.43	34.81	804.40	33.69	805.52
RFW-4A	830.37	62	39.45	790.92	38.17	792.20	35.66	794.71
RFW-4B	830.37	120	39.23	791.14	37.89	792.48	35.40	794.97
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	2.02	783.02	3.36	781.68	3.03	782.01
RFW-7	805.14	29	6.49	798.65	6.78	798.36	6.44	798.70
RFW-8	860.07	56	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	27.58	834.44	26.54	835.48	24.73	837.29
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	70.77	778.55	70.56	778.76	70.06	779.26
RFW-11B	849.62	116	78.00	771.62	77.63	771.99	77.26	772.36
RFW-12B	844.87	264	54.53	790.34	54.62	790.25	55.11	789.76
RFW-13	849.11	150	62.27	786.84	63.61	785.50	63.17	785.94
RFW-14B	812.39	281	48.49	763.90	47.41	764.98	47.16	765.23
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	29.41	805.25	28.05	806.61	28.41	806.25
RFW-18	843.67	50	5.62	838.05	5.55	838.12	5.33	838.34
RFW-19	858.28	60	7.33	850.95	4.53	853.75	5.02	853.26
RFW-20	842.49	142	37.31	805.18	36.58	805.91	36.23	806.26
RFW-21	832.65	102	22.69	809.96	21.86	810.79	21.36	811.29
PH-7	805.94	89	37.22	768.72	35.94	770.00	33.12	772.82
PH-9	814.94	98	41.83	773.11	40.88	774.06	34.71	780.23
PH-11	820.68	78	43.13	777.55	42.87	777.81	40.90	779.78
PH-12	828.35	87	48.32	780.03	47.81	780.54	46.42	781.93
B-2	807.68	100	8.06	799.62	5.49	802.19	5.53	802.15
B-3	803.02	83	10.17	792.85	7.18	795.84	7.27	795.75
Amoco	842.29	NA	26.63	815.66	27.13	815.16	27.08	815.21
Hamp. Town #22	804.96	NA	1.42	803.54	0.71	804.25	0.63	804.33
Pembroke #1	NA	NA	16.61	--	16.84	--	15.71	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	8.94	--	8.21	--	8.11	--
E. Century St.	NA	NA	11.04	--	11.17	--	10.97	--
Lwr. Beckleys. Rd.	NA	NA	56.11	--	55.32	--	55.62	--

NA - Not Available/Not Accessible

Table 2-3
Effluent Characteristics Summary - 1st Quarter 1998
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter		Units	Permit Limits	DMR DATE		
					January 1998	February 1998	March 1998
001	FLOW	average	MGD	NA	0.214	0.415	0.478
		maximum	MGD	NA	0.308	0.478	1.049
	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	6.48	6.77	6.44
		maximum	STD	8.5	7.04	7.20	8.39
	BOD		mg/l	15	3	<2	6
	TSS	maximum	mg/l	30	6	3	4
		quarterly average	mg/l	20	NR	NR	4
101 (Monitoring Point)	FLOW	average	MGD	NA	0.499	0.576	0.548
		maximum	MGD	NA	0.504	0.576	0.576
	Fecal Coliform		MPN/100ml	200	< 2	< 2	< 2
201 (Monitoring Point)	FLOW	average	MGD	NA	0.199	0.188	0.201
		maximum	MGD	NA	0.220	0.211	0.209
	1,1,1-Trichloroethane		ug/l	NA	< 5	< 5	< 5
	Tetrachloroethylene		ug/l	NA	< 5	< 5	< 5
	Trichloroethylene		ug/l	NA	< 5	< 5	< 5

DMR - Discharge Monitoring Report
NA - Not Applicable
NR - Not Reported

B&D-4\1098T2-3.XLS

system. In general, the total VOCs removed from the groundwater were comprised primarily of trichloroethene (TCE) (76 %) and tetrachlorethene (PCE) (24 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of January through March 1998 are included in Appendix C.

A summary of the analytical results from the first quarter (February 1998) groundwater sampling round of the extraction and monitor wells is included in Table 2-4. The complete analytical data package is included in Appendix D. 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 concentrations of TCE were 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 - February 1998
Black & Decker
Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2 (20)	EW-3 (10)	EW-4 (20)	EW-5 (10)	EW-6	EW-7	EW-8 (2)	EW-9 (5)	EW-9 (DUP) (5)	EW-10	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Chloroethanane	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	330 B	40 JB	67 JB	54 B	5 B	4 JB	15 B	12 JB	21 JB	7 B	5 U	2 JB	1 JB
Acetone	ug/L	NS	150 JB	100 U	200 U	27 JB	10 U	10 U	20 U	50 U	50 U	10 U	4 JB	7 JB	10 U
Carbon Disulfide	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	50 U	100 U	50 U	1 J	12	39	10 J	9 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	1 J	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	50 U	100 U	17 J	5 U	5 U	10 U	25 U	25 U	5 U	1 J	2 J	2 J
Carbon Tetrachloride	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	2600	920	1600	1800	18	18	21	15 J	16 J	5 U	5 U	5 U	6
Dibromochloromethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	110	22 J	36 J	32 J	68	51	230	890	920	72	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 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
Summary of Groundwater Analytical Results - February 1998
Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A (2)	RFW-4A (DUP) (2)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B (25)
Chloromethane	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Bromomethane	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Chloroethanane	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Methylene Chloride	ug/L	2 JB	7 B	26 B	10 B	4 JB	NS	4 JB	1 JB	NS	1 JB	NS	2 JB	2 JB	100 JB
Acetone	ug/L	10 U	10 U	18 JB	20 U	10 U	NS	10 U	4 JB	NS	3 JB	NS	3 JB	3 JB	250 U
Carbon Disulfide	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	2 J	NS	5 U	2 J	120 U
1,1-Dichloroethene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,1-Dichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	2 J	NS	5 U	5 U	120 U
1,2-Dichloroethene (total)	ug/L	5 U	55	4 J	3 J	8	NS	3 J	2 J	NS	5	NS	5 U	5 U	120 U
Chloroform	ug/L	5 U	5 U	10 U	10 U	2 J	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
2-Butanone	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	1 J	250 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	1 J	NS	5 U	5 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Vinyl Acetate	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Bromodichloromethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Trichloroethene	ug/L	5 U	22	130	110	63	NS	20	1 J	NS	25	NS	95	81	2800
Dibromochloromethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Benzene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Bromoform	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
2-Hexanone	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Tetrachloroethene	ug/L	5 U	38	180	160	150	NS	18	5 U	NS	5	NS	1 J	2 J	110 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Toluene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Chlorobenzene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Ethylbenzene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Styrene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Xylene (total)	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 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
Summary of Groundwater Analytical Results - February 1998
Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-18	RFW-19	RFW-20	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Chloroethanane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Methylene Chloride	ug/L	6 B	NS	6 B	5 JB	5 JB	5 U	4 JB	5 JB	NS	2 JB	2 JB	NS	5 JB	6 B
Acetone	ug/L	10 U	NS	4 JB	3 JB	10 U	4 JB	10 U	10 U	NS	2 JB	3 JB	NS	10 U	10 U
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 J	NS	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Vinyl Acetate	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Trichloroethene	ug/L	10	NS	5 U	5 U	5 U	8	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Tetrachloroethene	ug/L	62	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	3 J	5 U	NS	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	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 with the extraction and treatment system during the reporting period (January through March 1998) 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 - 1st Quarter 1998
Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
January 1998	Replaced electrical lines between the air stripper control panel and water tank control panel at the treatment plant.
February 1998	Extraction well EW-3 pump alarm tripped. Replaced broken fittings at well house. EW-3 operating properly.
February 1998	Installed still well around probes in the sump located at the air stripper.
February 1998	Repaired flow meter at extraction well EW-7 due to malfunction.

SECTION 4

RECOMMENDATIONS

For the reporting period of January through March 1998, 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

GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS (JANUARY – MARCH 1998)

MONTH / YEAR

Jan - 1998

BLACK DECKER
AIR STRIPPER # 2
OPERATING RECORD

PAST MONTH READING

302936640

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1						
2						
3						
4				824667		
5	M	1130	304173640	189135	15031	15088
6	T	10.00	304362775	188151	15031	15111
7	W	0815	304550926	219846	15031	15133
8	T	1015	304770772	192932	15031	15159
9	F	0915	304963704		15031	15182
10						
11				618968		
12	M	1030	305582672	191433	15031	15256
13	T	1000	305780105	201676	15054	15256
14	W	1000	305981781	187553	15078	15256
15	T	0830	306169334	217629	15101	15256
16	F	1030	306386963		15126	15256
17		~~10~~				
18				605830		
19	M	1045	306992793	192503	15199	15256
20	T	0955	307185296	193180	15199	15279
21	W	0915	307378476	197543	15199	15302
22	T	0915	307576019	206352	15199	15326
23	F	1030	307782371		15199	15351
24						
25				593596		
26	M	1045	308375967	188580	15199	15424
27	T	0945	308564547	201837	15221	15424
28	W	1015	308766384	191499	15245	15424
29	T	0945	308957883	202964	15269	15424
30	F	1030	309160847		15294	15424
31				357819		
Total				6,169693		
Average				199,000		

NEXT MONTH READING 309697575 on 2/2

MONTH / YEAR

Feb - 1998

BLACK DECKER
AIR STRIPPER # 2
OPERATING RECORD

PAST MONTH READING

309166847

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1				178909		
2	M	1100	309697575	211040	15367	15424
3	T	1045	309908615	199830	15367	15448
4	W	1030	310105445	201044	15367	15471
5	T	1030	310309539	200717	15367	15495
6	F	1030	310510251	↑	15367	15520
7						
8				588422		
9	M	1030	311095673	195838	15367	15591
10	T	1010	311284511	203192	15391	15591
11	W	1100	311497703	180659	15416	15591
12	T	0915	311675362	206654	15438	15591
13	F	1020	311885016	↑	15463	15591
14						
15				582754		
16	M	1035	312467770	185059	15535	15591
17	T	0925	312652829	190707	15535	15614
18	W	0855	312843536	192526	15535	15637
19	T	0845	313036062	203370	15535	15661
20	F	1015	313239432	↑	15535	15687
21						
22				574622		
23	M	1015	313814054	186081	15535	15759
24	T	0935	314000135	195027	15558	15759
25	W	1000	314195162	180427	15583	15759
26	T	0845	314375589	207067	15605	15759
27	F	1045	314582656	190623	15631	15759
28						
29						
30						
31						
Total				5254613		
Average				187665		

(381,247)

NEXT MONTH READING 315154526 on Mar. 2nd

MONTH / YEAR

March 1998

BLACK DECKER
AIR STRIPPER # 2
OPERATING RECORD

PAST MONTH READING

31458265 6

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1				381247		
2	M	1030	315154526	193290	15703	15759
3	T	1030	315347816	173578	15703	15783
4	W	0810	315521394	199755	15703	15805
5	T	0915	315721149	200410	15703	15830
6	F	1015	315921559	↑	15703	15855
7						
8				579663		
9	M	1030	316501222	184421	15703	15927
10	T	0920	316685643	193314	15726	15927
11	W	0930	316878957	194653	15750	15927
12	T	0930	317073610	195529	15774	15927
13	F	0945	317269139	↑	15798	15927
14						
15				588166		
16	M	1012	317857305	192522	15871	15927
17	T	1000	318049827	197878	15894	15927
18	W	1015	318247705	203173	15919	15927
19	T	1115	318450878	188426	15944	15927
20	F	1015	318639304	↑	15967	15927
21						
22				590547		
23	M	1045	319229851	194376	16039	15927
24	T	1030	319424227	187932	16039	15951
25	W	0930	319612159	208936	16039	15974
26	T	1130	319821095	↑	16039	15999
27	F					
28						
29				792216		
30	M	1100	320613311	189408	16039	16095
31	T	0945	320803719	182547	16062	16095
Total				6,211,987		
Average						

NEXT MONTH READING 320985266

APPENDIX B

DISCHARGE MONITORING REPORTS
(JANUARY - MARCH 1998)

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)*

FORM APPROVED
OMB No.2040-0004

MD0001881	001
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	01 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	01 *(28-29)*	31 *(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(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	**0.214**	**0.308**	**MGD**					0	Measured/Recorded	
	PERMIT REQUIREMENT	**NO LIMIT**	**NO LIMIT**							Measured/Recorded	
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
TRICHLOROEHTYLENE	SAMPLE MEASUREMENT						**<5**	**ppb**	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						**5**			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						**<0.1**	**mg/l**	0	5/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				**6.48**		**7.04**	**STD**	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				**6.00**		**8.50**			2/WEEK	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555 AREA CODE-NUMBER	98 | 02 | 04 YEAR | MO | DAY
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

FACILITY:

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

MD0001881	001
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	01 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	01 *(28-29)*	31 *(30-31)*

FORM APPROVED
OMB No.2040-0004

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(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			
BOD	SAMPLE MEASUREMENT						3	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						6	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										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555 AREA CODE-NUMBER	98 | 02 | 04 10.3
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

FACILITY:

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

FORM APPROVED
OMB No.2040-0004

MD0001881	101
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	01 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	01 *(28-29)*	31 *(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	**0.499**	**0.504**	**MGD**					0	Estimated	
	PERMIT REQUIREMENT	**NO LIMIT**	**NO LIMIT**							Cont Measure/Record	
FECAL COLIFORM	SAMPLE MEASUREMENT						**<2**	MPN/ 100ml	0		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			TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555 AREA CODE-NUMBER	98 | 02 | 04 YEAR | MO | DAY
TYPED OR PRINTED				

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

Equipment must be repaired/replaced. Using pump capacity and time to estimate /measure flow.

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	201
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	01 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	02 *(28-29)*	04 *(30-31)*

FORM APPROVED
OMB No.2040-0004

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(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	0.199	0.22	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
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
TRICHLOROEHTYLENE	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		TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555 AREA CODE-NUMBER	98 | 02 | 04 YEAR | MO | DAY
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

FACILITY:

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

FORM APPROVED
OMB No.2040-0004

MD0001881	001
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	02	01	TO	98	02	28
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(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	**0.415**	**0.478**	**MGD**					0	Measured/Recorded	
	PERMIT REQUIREMENT	**NO LIMIT**	**NO LIMIT**							Measured/Recorded	
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
TRICHLOROEHTYLENE	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				**6.77**		**7.20**	**STD**	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				**6.00**		**8.50**			2/WEEK	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555 AREA CODE-NUMBER	98 | 03 | 06 YEAR | MO | DAY
TYPED OR PRINTED				

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

FORM APPROVED
OMB No.2040-0004

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	001
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	02 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	02 *(28-29)*	28 *(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		QUANTITY OR LOADING *(3 Card Only) (46-53) (54-61)* AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION *(4 Card Only)* MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
BOD	SAMPLE MEASUREMENT						<2	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						3	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										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555 AREA CODE-NUMBER	98 | 03 | 06 10.3
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

FACILITY:

LOCATION: **CARROLL COUNTY**

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

MD0001881	101
PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	02	01	TO	98	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

FORM APPROVED
OMB No.2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) (54-61) AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	**0.576**	**0.576**	**MGD**					0	Estimated	
	PERMIT REQUIREMENT	**NO LIMIT**	**NO LIMIT**							Cont Measure/Record	
FECAL COLIFORM	SAMPLE MEASUREMENT						**<2**	MPN/ 100ml	0		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			TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555 AREA CODE-NUMBER	98 | 03 | 06 YEAR | MO | DAY
TYPED OR PRINTED				

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
Equipment must be repaired/replaced. Using pump capacity and time to estimate /measure flow.

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)*

FORM APPROVED
OMB No.2040-0004

MD0001881	201
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	02	01	TO	98	02	28
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(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	**0.188**	**0.211**	**MGD**					0	Cont Measure/Record	
	PERMIT REQUIREMENT	**NO LIMIT**	**NO LIMIT**							Cont Measure/Record	
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
TRICHLOROEHTYLENE	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			TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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	410-239-5555	98 | 03 | 06
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE-NUMBER	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

FACILITY:

LOCATION: **CARROLL COUNTY**

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

MD0001881	001
PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)

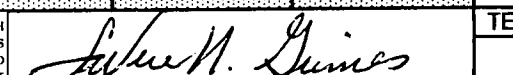
MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 (20-21)	03 (22-23)	01 (24-25)	TO	98 (26-27)	03 (28-29)	31 (30-31)

FORM APPROVED
OMB No.2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	**0.478**	**1.049**	**MGD**					0	Measured/Recorded	
	PERMIT REQUIREMENT	**NO LIMIT**	**NO LIMIT**							Measured/Recorded	
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
TRICHLOROEHTYLENE	SAMPLE MEASUREMENT						**<5**	**ppb**	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						**5**			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						**<0.1**	**mg/l**	0	2/MONTH	GRAB
	PERMIT REQUIREMENT						**<0.1**			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT					**<5**	**<5**	**mg/l**	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					**10**	**15**			1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				**6.44**		**8.39**	**STD**	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				**6.00**		**8.50**			2/WEEK	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE
LaVere N. Grimes **Facilities Manager**	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.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	410-239-5555	98 | 04 | 01
TYPED OR PRINTED		AREA CODE-NUMBER	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

FACILITY:

LOCATION: **CARROLL COUNTY**

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

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
MD0001881	001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	03 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	03 *(28-29)*	31 *(30-31)*

FORM APPROVED
OMB No.2040-0004

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		QUANTITY OR LOADING *(3 Card Only) (46-53)* AVERAGE	QUANTITY OR LOADING MAXIMUM *(54-61)*	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION *(4 Card Only)* MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
BOD	SAMPLE MEASUREMENT						6	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					4	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										
	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
98 | 04 | 01
10.3

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

FORM APPROVED
OMB No.2040-0004

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	101
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	03 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	03 *(28-29)*	31 *(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		QUANTITY OR LOADING *(3 Card Only) (46-53)* AVERAGE	QUANTITY OR LOADING *(54-61)* MAXIMUM	UNITS	QUALITY OR CONCENTRATION *(4 Card Only)* MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	0.548	0.576	MGD					0	Estimated	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/ 100ml	0		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		TELEPHONE	DATE
LaVere N. Grimes Facilities Manager	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	410-239-5555 AREA CODE-NUMBER	98 | 04 | 01 YEAR | MO | DAY
TYPED OR PRINTED			

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
Equipment must be repaired/replaced. Using pump capacity and time to estimate /measure flow.

FORM APPROVED
OMB No.2040-0004

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	201
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 *(20-21)*	03 *(22-23)*	01 *(24-25)*	TO	98 *(26-27)*	03 *(28-29)*	31 *(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		QUANTITY OR LOADING *(3 Card Only) (46-53) (54-61)* AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION *(4 Card Only)* MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	0.201	0.209	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
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
TRICHLOROEHTYLENE	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		TELEPHONE	DATE
LaVere N. Grimes Facilities Manager	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	410-239-5555 AREA CODE-NUMBER	98 | 04 | 01
TYPED OR PRINTED			

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

APPENDIX C

GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS (JANAUARY - MARCH 1998)

Gascoyne Laboratories, Inc.

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

Baltimore, MD 21224

(410) 633-1800

(800) GAS-COYN

FAX NO. (410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 9800073

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Strip #2(Pre), grb, collected on 07-Jan-1998(08:20)
Laboratory Sample Number: 980000223

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	SJN	14-Jan-98(04:16)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	SJN	14-Jan-98(04:16)
Benzene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Bromomethane	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(04:16)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Chloromethane	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Chloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(04:16)
Chloroform	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Bromoform	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Tetrachloroethene	190 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Toluene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Trichloroethene	700 ppb	5 ppb	EPA-624	SJN	14-Jan-98(04:16)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(04:16)
Total Xylenes	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(04:16)
Dibromofluoromethane(surrogate)	108 % Rec	NA	EPA-624	SJN	14-Jan-98(04:16)
1,2-Dichloroethane-d4(surrogate)	103 % Rec	NA	EPA-624	SJN	14-Jan-98(04:16)
Toluene-d8(surrogate)	101 % Rec	NA	EPA-624	SJN	14-Jan-98(04:16)

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

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REPORT OF ANALYSIS

Report no: 9800073

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Strip #2(Pre), grb, collected on 07-Jan-1998(08:20)
Laboratory Sample Number: 980000223

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	114 % Rec	NA	EPA-624	SJN	14-Jan-98(04:16)

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REPORT OF ANALYSIS

Report no: 9800073

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, grab, collected on 07-Jan-1998(08:22)
Laboratory Sample Number: 980000224

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	SJN	14-Jan-98(02:46)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	SJN	14-Jan-98(02:46)
Benzene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Bromomethane	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(02:46)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Chloromethane	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(02:46)
[redacted],2-Dichloropropane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
1,1,1-Trichloroethane ✓	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Chloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(02:46)
Chloroform	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Bromoform	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Tetrachloroethene ✓	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Toluene	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
Trichloroethene ✓	<5 ppb	5 ppb	EPA-624	SJN	14-Jan-98(02:46)
[redacted]inyl Chloride	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(02:46)
Total Xylenes	<10 ppb	10 ppb	EPA-624	SJN	14-Jan-98(02:46)
Dibromofluoromethane(surrogate)	102 % Rec	NA	EPA-624	SJN	14-Jan-98(02:46)
1,2-Dichloroethane-d4(surrogate)	100 % Rec	NA	EPA-624	SJN	14-Jan-98(02:46)
Toluene-d8(surrogate)	100 % Rec	NA	EPA-624	SJN	14-Jan-98(02:46)

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REPORT OF ANALYSIS

Report no: 9800073

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, grab, collected on 07-Jan-1998(08:22)
Laboratory Sample Number: 980000224

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	110 % Rec	NA	EPA-624	SJN	14-Jan-98(02:46)

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REPORT OF ANALYSIS

Report no: 9800621

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Stripper#2(Pre), grab, on 04-Feb-1998(08:02)
Laboratory Sample Number: 980002190

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	BSC	18-Feb-98(09:11)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	BSC	18-Feb-98(09:11)
Benzene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Bromomethane	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(09:11)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Chloromethane	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(09:11)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Chloroethane	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(09:11)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(09:11)
Chloroform	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Bromoform	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Tetrachloroethene	180 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Toluene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Trichloroethene	690 ppb	5 ppb	EPA-624	BSC	18-Feb-98(09:11)
Vinyl Chloride	10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(09:11)
Dibromofluoromethane(surrogate)	90 % Rec	NA	EPA-624	BSC	18-Feb-98(09:11)

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REPORT OF ANALYSIS

Report no: **9800621**

Client: **Black & Decker Company**

Sample Id: **Collected samples by: Gascoyne Labs, Inc. Air Stripper#2(Pre), grab, on 04-Feb-1998(08:02)**
Laboratory Sample Number: 980002190

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	89 % Rec	NA	EPA-624	BSC	18-Feb-98(09:11)
Toluene-d8(surrogate)	98 % Rec	NA	EPA-624	BSC	18-Feb-98(09:11)
Bromofluorobenzene(surrogate)	101 % Rec	NA	EPA-624	BSC	18-Feb-98(09:11)

Sample/Test Notes:
NOTE: (1) Dilution Factor of 10.Sample was loaded at 0730 on 2/18/98.

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REPORT OF ANALYSIS

Report no: 9800621

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, grab, on 04-Feb-1998(08:04)
Laboratory Sample Number: 980002191

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	BSC	18-Feb-98(10:11)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	BSC	18-Feb-98(10:11)
Benzene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Bromomethane	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(10:11)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Chloromethane	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(10:11)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Chloroethane	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(10:11)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(10:11)
Chloroform	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Bromoform	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Toluene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Trichloroethene	<5 ppb	5 ppb	EPA-624	BSC	18-Feb-98(10:11)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	BSC	18-Feb-98(10:10)
Dibromofluoromethane(surrogate)	90 % Rec	NA	EPA-624	BSC	18-Feb-98(10:11)

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REPORT OF ANALYSIS

Report no: **9800621**

Client: **Black & Decker Company**

Sample Id: **Collected samples by: Gascoyne Labs, Inc. Outfall 201, grab, on 04-Feb-1998(08:04)**
Laboratory Sample Number: 980002191

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	96 % Rec	NA	EPA-624	BSC	18-Feb-98(10:11)
Toluene-d8(surrogate)	97 % Rec	NA	EPA-624	BSC	18-Feb-98(10:11)
Bromofluorobenzene(surrogate)	103 % Rec	NA	EPA-624	BSC	18-Feb-98(10:11)

Sample/Test Notes:

1. Sample was loaded at 0730 on 2/18/98.

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REPORT OF ANALYSIS

Report no: 9801241

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Stripper #2(Pre), grab, on 04-Mar-1998(08:32)
Laboratory Sample Number: 980004671

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	JMS	10-Mar-98(01:30)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	JMS	10-Mar-98(01:30)
Benzene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Bromomethane	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(01:30)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Chloromethane	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,1,1-Trichloroethane	8 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Chloroethane	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(01:30)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(01:30)
Chloroform	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Bromoform	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Tetrachloroethene	230 ppb	5 ppb	EPA-624	JMS	10-Mar-98(13:24)
Toluene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(01:30)
Trichloroethene	550 ppb	5 ppb	EPA-624	JMS	10-Mar-98(13:24)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(01:30)

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REPORT OF ANALYSIS

Report no: 9801241

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Air Stripper #2(Pre), grab, on 04-Mar-1998(08:32)
Laboratory Sample Number: 980004671

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	97 % Rec	NA	EPA-624	JMS	10-Mar-98(01:30)
1,2-Dichloroethane-d4(surrogate)	100 % Rec	NA	EPA-624	JMS	10-Mar-98(01:30)
Toluene-d8(surrogate)	104 % Rec	NA	EPA-624	JMS	10-Mar-98(01:30)
Bromofluorobenzene(surrogate)	106 % Rec	NA	EPA-624	JMS	10-Mar-98(01:30)

Sample/Test Notes:

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REPORT OF ANALYSIS

Report no: 9801241

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, grab, on 04-Mar-1998(08:35)
Laboratory Sample Number: 980004672

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	JMS	10-Mar-98(02:00)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	JMS	10-Mar-98(02:00)
Benzene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Bromomethane	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(02:00)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Chloromethane	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Chloroethane	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(02:00)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(02:00)
Chloroform	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Bromoform	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Toluene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Trichloroethene	<5 ppb	5 ppb	EPA-624	JMS	10-Mar-98(02:00)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	JMS	10-Mar-98(02:00)

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

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REPORT OF ANALYSIS

Report no: 9801241

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. Outfall 201, grab, on 04-Mar-1998(08:35)
Laboratory Sample Number: 980004672

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	96 % Rec	NA	EPA-624	JMS	10-Mar-98(02:00)
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-624	JMS	10-Mar-98(02:00)
Toluene-d8(surrogate)	102 % Rec	NA	EPA-624	JMS	10-Mar-98(02:00)
Bromofluorobenzene(surrogate)	105 % Rec	NA	EPA-624	JMS	10-Mar-98(02:00)

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APPENDIX D

GROUNDWATER ANALYTICAL DATA PACKAGE (FEBRUARY 1998)

RECRA LabNet
a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

Recra LabNet Philadelphia
Analytical Report

Client : BLACK & DECKER-HAMPSTEAD
RFW# : 9802L493

W.O. #: 02501-004-001-0200-00
Date Received: 02-12-98

GC/MS VOLATILE

The set of samples consisted of thirty-five (35) water samples collected on 02-10,11-98.

The samples were analyzed according to criteria set forth in SW 846 Method 8260A for TCL Volatile target compounds on 02-23,24-98.

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 not detected in these samples.

4. Ten (10) samples required dilution (ranging from two-fold to 25-fold) because they contained high levels of target compounds.

5. Two (2) of one-hundred-forty-one (141) surrogate recoveries were outside EPA QC limits. Sample RFW-1A was reanalyzed on 02-24-98 and reported.

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 laboratory contaminants Methylene Chloride and Acetone at levels less than 2x the CRQL. The method blank 98LVC001-MB1 contained the target compound Chloromethane at a level less than the CRQL.

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

4-6-98
Date

mmz/voa/02-493v.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 25 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.

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List — Report Date: 04/02/98 16:24

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 1a

	Cust ID:	RFW-18		RFW-18		RFW-18		RFW-19		RFW-17		RFW-2A	
Sample Information	RFW#:	001		001 MS		001 MSD		002		003		004	
	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	99	%	102	%	102	%	99	%	94	%	103	%
Surrogate	Bromofluorobenzene	100	%	101	%	101	%	95	%	90	%	87	%
Recovery	1,2-Dichloroethane-d4	98	%	101	%	105	%	97	%	95	%	113	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	2	BJ	1	BJ	10	U	10	U	10	U
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		5	BJ	6	B	5	B	5	BJ	6	B	1	BJ
Acetone		3	BJ	3	BJ	4	BJ	10	U	4	BJ	10	U
Carbon Disulfide		5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene		5	U	103	%	103	%	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	5	U	5	U	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	2	J
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	101	%	101	%	5	U	5	U	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	102	%	102	%	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		5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

004

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 1b

Cust ID:	RFW-18	RFW-18	RFW-18	RFW-19	RFW-17	RFW-2A
RFW#:	001	001 MS	001 MSD	002	003	004
Toluene	5 U	101 %	100 %	5 U	5 U	5 U
Chlorobenzene	5 U	102 %	100 %	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

*= Outside of EPA CLP QC limits.

005

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 04/02/98 16:24

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 2a

	Cust ID:	RFW-2B	RFW-7	RFW-1A	RFW-1A	EW-4	EW-5
Sample Information	RFW#:	005	006	007	007	008	009
	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 REPREP	UG/L	UG/L
Surrogate Recovery	Toluene-d8	98 %	101 %	99 %	108 %	97 %	102 %
	Bromofluorobenzene	97 %	92 %	102 %	99 %	96 %	90 %
	1,2-Dichloroethane-d4	93 %	110 %	119 * %	118 * %	93 %	112 %
		fl	fl	fl	fl	fl	fl
Chloromethane		10 U	10 U	1 BJ	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	1 BJ	4 BJ	5 U	67 BJ	54 B
Acetone		10 U	4 BJ	6 BJ	4 BJ	200 U	27 BJ
Carbon Disulfide		5 U	5 U	5 U	5 U	100 U	50 U
1,1-Dichloroethene		5 U	5 U	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	2 J	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	1 J	1 J	100 U	17 J
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		5 U	1 J	5 U	5 U	1600	1800
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		5 U	5 U	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	36 J	32 J
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	100 U	50 U

*= Outside of EPA CLP QC limits.

906

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 2b

Cust ID:	RFW-2B	RFW-7	RFW-1A	RFW-1A	EW-4	EW-5
RFW#:	005	006	007	007 REPREP	008	009
Toluene	5 U	5 U	5 U	5 U	100 U	50 U
Chlorobenzene	5 U	5 U	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.

007

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 04/02/98 16:24

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 3a

	Cust ID:	RFW-20	RFW-21	EW-2	EW-3	LEISTER-1	LEISTER-DAIRY
Sample Information	RFW#:	010	011	012	013	014	015
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	20.0	10.0	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Toluene-d8	105 %	100 %	108 %	100 %	110 %	104 %
	Bromofluorobenzene	92 %	96 %	102 %	97 %	105 %	92 %
	1,2-Dichloroethane-d4	113 %	93 %	103 %	94 %	114 %	106 %
		fl	fl	fl	fl	fl	fl
Chloromethane		10 U	10 U	200 U	100 U	10 U	10 U
Bromomethane		10 U	10 U	200 U	100 U	10 U	10 U
Vinyl Chloride		10 U	10 U	200 U	100 U	10 U	10 U
Chloroethane		10 U	10 U	200 U	100 U	10 U	10 U
Methylene Chloride		5 U	4 BJ	330 B	40 BJ	2 BJ	2 BJ
Acetone		4 BJ	10 U	150 BJ	100 U	3 BJ	2 BJ
Carbon Disulfide		5 U	5 U	100 U	50 U	5 U	5 U
1,1-Dichloroethene		5 U	5 U	100 U	50 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	100 U	50 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	100 U	50 U	5 U	5 U
Chloroform		5 U	5 U	100 U	50 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	100 U	50 U	5 U	5 U
2-Butanone		10 U	10 U	200 U	100 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	100 U	50 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	100 U	50 U	5 U	5 U
Vinyl Acetate		10 U	10 U	200 U	100 U	10 U	10 U
Bromodichloromethane		5 U	5 U	100 U	50 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	100 U	50 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	100 U	50 U	5 U	5 U
Trichloroethene		8	5 U	2600	920	5 U	5 U
Dibromochloromethane		5 U	5 U	100 U	50 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	100 U	50 U	5 U	5 U
Benzene		5 U	5 U	100 U	50 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	100 U	50 U	5 U	5 U
Bromoform		5 U	5 U	100 U	50 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	200 U	100 U	10 U	10 U
2-Hexanone		10 U	10 U	200 U	100 U	10 U	10 U
Tetrachloroethene		5 U	5 U	110	22 J	5 U	3 J
1,1,2,2-Tetrachloroethane		5 U	5 U	100 U	50 U	5 U	5 U

*= Outside of EPA CLP QC limits.

800

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 3b

Cust ID:	RFW-20	RFW-21	EW-2	EW-3	LEISTER-1	LEISTER-DAIRY
RFW#:	010	011	012	013	014	015
Toluene	5 U	5 U	100 U	50 U	5 U	5 U
Chlorobenzene	5 U	5 U	100 U	50 U	5 U	5 U
Ethylbenzene	5 U	5 U	100 U	50 U	5 U	5 U
Styrene	5 U	5 U	100 U	50 U	5 U	5 U
Xylene (total)	5 U	5 U	100 U	50 U	5 U	5 U

*= Outside of EPA CLP QC limits.

600

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 04/02/98 16:24

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 4a

	Cust ID:	RFW-11A	RFW-11B	RFW-9	RFW-1B	RFW-4A	RFW-4A DUP
Sample Information	RFW#:	016	017	018	019	020	021
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	2.00	2.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Toluene-d8	104 %	109 %	100 %	103 %	105 %	99 %
	Bromofluorobenzene	102 %	96 %	91 %	88 %	96 %	97 %
	1,2-Dichloroethane-d4	112 %	113 %	104 %	110 %	109 %	92 %
Chloromethane		10 U	10 U	10 U	10 U	20 U	20 U
Bromomethane		10 U	10 U	10 U	10 U	20 U	20 U
Vinyl Chloride		10 U	10 U	10 U	10 U	20 U	20 U
Chloroethane		10 U	10 U	10 U	10 U	20 U	20 U
Methylene Chloride		2 BJ	2 BJ	1 BJ	2 BJ	26 B	10 B
Acetone		3 BJ	3 BJ	3 BJ	7 BJ	18 BJ	20 U
Carbon Disulfide		5 U	2 J	2 J	5 U	10 U	10 U
1,1-Dichloroethene		5 U	5 U	5 U	5 U	10 U	10 U
1,1-Dichloroethane		5 U	5 U	2 J	5 U	10 U	10 U
1,2-Dichloroethene (total)		5 U	5 U	5	5 U	4 J	3 J
Chloroform		5 U	5 U	5 U	5 U	10 U	10 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	10 U	10 U
2-Butanone		10 U	1 J	10 U	1 J	20 U	20 U
1,1,1-Trichloroethane		5 U	5 U	1 J	2 J	10 U	10 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	10 U	10 U
Vinyl Acetate		10 U	10 U	10 U	10 U	20 U	20 U
Bromodichloromethane		5 U	5 U	5 U	5 U	10 U	10 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	10 U	10 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	10 U	10 U
Trichloroethene		95	81	25	5 U	130	110
Dibromochloromethane		5 U	5 U	5 U	5 U	10 U	10 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	10 U	10 U
Benzene		5 U	5 U	5 U	5 U	10 U	10 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	10 U	10 U
Bromoform		5 U	5 U	5 U	5 U	10 U	10 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	20 U	20 U
2-Hexanone		10 U	10 U	10 U	10 U	20 U	20 U
Tetrachloroethene		1 J	2 J	5	5 U	180	160
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	10 U	10 U

*= Outside of EPA CLP QC limits.

C10

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 4b

Cust ID:	RFW-11A	RFW-11B	RFW-9	RFW-1B	RFW-4A	RFW-4A DUP
RFW#:	016	017	018	019	020	021
Toluene	5 U	5 U	5 U	5 U	10 U	10 U
Chlorobenzene	5 U	5 U	5 U	5 U	10 U	10 U
Ethylbenzene	5 U	5 U	5 U	5 U	10 U	10 U
Styrene	5 U	5 U	5 U	5 U	10 U	10 U
Xylene (total)	5 U	5 U	5 U	5 U	10 U	10 U

*= Outside of EPA CLP QC limits.

011

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List — Report Date: 04/02/98 16:24

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 5a

	Cust ID:	RFW-4B	RFW-6	RFW-3B	RFW-13	HAMP-22	EW-6
Sample Information	RFW#:	022	023	024	025	026	027
	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

Surrogate Recovery	Toluene-d8	99	%	99	%	100	%	99	%	99	%	101	%
	Bromofluorobenzene	97	%	98	%	99	%	98	%	97	%	99	%
	1,2-Dichloroethane-d4	91	%	93	%	94	%	95	%	95	%	96	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	10	U	10	U	10	U	10	U	10	U
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		4	BJ	4	BJ	7	B	6	B	5	BJ	5	B
Acetone		10	U	10	U	10	U	10	U	10	U	10	U
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)		8		3	J	55		5	U	5	U	1	J
Chloroform		2	J	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		63		20		22		10		5	U	18	
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		150		18		38		62		5	U	68	
1,1,2,2-Tetrachloroethane		5	U	5	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

012

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 5b

Cust ID:	RFW-4B	RFW-6	RFW-3B	RFW-13	HAMP-22	EW-6
RFW#:	022	023	024	025	026	027
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

*= Outside of EPA CLP QC limits.

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 04/02/98 16:24

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 6a

	Cust ID:	EW-7		EW-8		EW-9		EW-10		EW-10		EW-10	
Sample Information	RFW#:	028		029		030		031		031 MS		031 MSD	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		2.00		5.00		1.00		1.00		1.00	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
Surrogate Recovery	Toluene-d8	98	%	98	%	98	%	100	%	100	%	98	%
	Bromofluorobenzene	97	%	97	%	96	%	100	%	98	%	97	%
	1,2-Dichloroethane-d4	93	%	93	%	92	%	95	%	92	%	94	%
Chloromethane		10	U	20	U	50	U	10	U	10	U	10	U
Bromomethane		10	U	20	U	50	U	10	U	10	U	10	U
Vinyl Chloride		10	U	20	U	50	U	10	U	10	U	10	U
Chloroethane		10	U	20	U	50	U	10	U	10	U	10	U
Methylene Chloride		4	BJ	15	B	12	BJ	7	B	5	BJ	6	B
Acetone		10	U	20	U	50	U	10	U	10	U	10	U
Carbon Disulfide		5	U	10	U	25	U	5	U	5	U	5	U
1,1-Dichloroethene		5	U	10	U	25	U	5	U	137	%	108	%
1,1-Dichloroethane		5	U	10	U	25	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		12		39		10	J	5	U	5	U	5	U
Chloroform		5	U	10	U	25	U	5	U	5	U	5	U
1,2-Dichloroethane		5	U	10	U	25	U	5	U	5	U	5	U
2-Butanone		10	U	20	U	50	U	10	U	10	U	10	U
1,1,1-Trichloroethane		5	U	10	U	25	U	5	U	5	U	5	U
Carbon Tetrachloride		5	U	10	U	25	U	5	U	5	U	5	U
Vinyl Acetate		10	U	20	U	50	U	10	U	10	U	10	U
Bromodichloromethane		5	U	10	U	25	U	5	U	5	U	5	U
1,2-Dichloropropane		5	U	10	U	25	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	10	U	25	U	5	U	5	U	5	U
Trichloroethene		18		21		15	J	5	U	98	%	99	%
Dibromochloromethane		5	U	10	U	25	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5	U	10	U	25	U	5	U	5	U	5	U
Benzene		5	U	10	U	25	U	5	U	102	%	102	%
Trans-1,3-Dichloropropene		5	U	10	U	25	U	5	U	5	U	5	U
Bromoform		5	U	10	U	25	U	5	U	5	U	5	U
4-Methyl-2-pentanone		10	U	20	U	50	U	10	U	10	U	10	U
2-Hexanone		10	U	20	U	50	U	10	U	10	U	10	U
Tetrachloroethene		51		230		890		72		70		68	
1,1,2,2-Tetrachloroethane		5	U	10	U	25	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

014

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 6b

Cust ID:	EW-7	EW-8	EW-9	EW-10	EW-10	EW-10
RFW#:	028	029	030	031	031 MS	031 MSD
Toluene	5 U	10 U	25 U	5 U	101 %	99 %
Chlorobenzene	5 U	10 U	25 U	5 U	101 %	99 %
Ethylbenzene	5 U	10 U	25 U	5 U	5 U	5 U
Styrene	5 U	10 U	25 U	5 U	5 U	5 U
Xylene (total)	5 U	10 U	25 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

015

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 04/02/98 16:24

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 7a

	Cust ID:	RFW-12B	TRIP BLANK	FIELD BLANK	EW-9 DUP	VBLKFX	VBLKFX BS
Sample Information	RFW#:	032	033	034	035	98LVC001-MB1	98LVC001-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	25.0	1.00	1.00	5.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Toluene-d8	99 %	99 %	99 %	98 %	98 %	100 %
	Bromofluorobenzene	96 %	98 %	98 %	96 %	94 %	96 %
	1,2-Dichloroethane-d4	92 %	92 %	94 %	93 %	94 %	94 %
Chloromethane		250 U	10 U	10 U	50 U	1 J	2 BJ
Bromomethane		250 U	10 U	10 U	50 U	10 U	10 U
Vinyl Chloride		250 U	10 U	10 U	50 U	10 U	10 U
Chloroethane		250 U	10 U	10 U	50 U	10 U	10 U
Methylene Chloride		100 BJ	6 B	5 BJ	21 BJ	4 J	4 BJ
Acetone		250 U	10 U	10 U	50 U	2 J	3 BJ
Carbon Disulfide		120 U	5 U	5 U	25 U	5 U	5 U
1,1-Dichloroethene		120 U	5 U	5 U	25 U	5 U	106 %
1,1-Dichloroethane		120 U	5 U	5 U	25 U	5 U	5 U
1,2-Dichloroethene (total)		120 U	5 U	5 U	9 J	5 U	5 U
Chloroform		120 U	5 U	5 U	25 U	5 U	5 U
1,2-Dichloroethane		120 U	5 U	5 U	25 U	5 U	5 U
2-Butanone		250 U	10 U	10 U	50 U	10 U	10 U
1,1,1-Trichloroethane		120 U	5 U	5 U	25 U	5 U	5 U
Carbon Tetrachloride		120 U	5 U	5 U	25 U	5 U	5 U
Vinyl Acetate		250 U	10 U	10 U	50 U	10 U	10 U
Bromodichloromethane		120 U	5 U	5 U	25 U	5 U	5 U
1,2-Dichloropropane		120 U	5 U	5 U	25 U	5 U	5 U
cis-1,3-Dichloropropene		120 U	5 U	5 U	25 U	5 U	5 U
Trichloroethene		2800	5 U	5 U	16 J	5 U	99 %
Dibromochloromethane		120 U	5 U	5 U	25 U	5 U	5 U
1,1,2-Trichloroethane		120 U	5 U	5 U	25 U	5 U	5 U
Benzene		120 U	5 U	5 U	25 U	5 U	99 %
Trans-1,3-Dichloropropene		120 U	5 U	5 U	25 U	5 U	5 U
Bromoform		120 U	5 U	5 U	25 U	5 U	5 U
4-Methyl-2-pentanone		250 U	10 U	10 U	50 U	10 U	10 U
2-Hexanone		250 U	10 U	10 U	50 U	10 U	10 U
Tetrachloroethene		110 J	5 U	5 U	920	5 U	5 U
1,1,2,2-Tetrachloroethane		120 U	5 U	5 U	25 U	5 U	5 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 7b

Cust ID:	RFW-12B	TRIP BLANK	FIELD BLANK	EW-9 DUP	VBLKFX	VBLKFX BS
RFW#:	032	033	034	035	98LVC001-MB1	98LVC001-MB1
Toluene	120 U	5 U	5 U	25 U	5 U	100 %
Chlorobenzene	120 U	5 U	5 U	25 U	5 U	99 %
Ethylbenzene	120 U	5 U	5 U	25 U	5 U	5 U
Styrene	120 U	5 U	5 U	25 U	5 U	5 U
Xylene (total)	120 U	5 U	5 U	25 U	5 U	5 U

*= Outside of EPA CLP QC limits.

C17

	Cust ID:	VBLKFY		VBLKAC		VBLKGA		VBLKFZ		VBLKFZ BS	
Sample Information	RFW#:	98LVG042-MB1		98LVH049-MB1		98LVG041-MB1		98LVH048-MB1		98LVH048-MB1	
	Matrix:	WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00		1.00	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L	
Surrogate Recovery	Toluene-d8	105	%	100	%	89	%	98	%	97	%
	Bromofluorobenzene	101	%	101	%	90	%	98	%	98	%
	1,2-Dichloroethane-d4	113	%	99	%	101	%	94	%	97	%
Chloromethane		10	U	10	U	10	U	10	U	10	U
Bromomethane		10	U	10	U	10	U	10	U	10	U
Vinyl Chloride		10	U	10	U	10	U	10	U	10	U
Chloroethane		10	U	10	U	10	U	10	U	10	U
Methylene Chloride		2	J	2	J	5	J	6		5	BJ
Acetone		2	J	2	J	9	J	2	J	10	U
Carbon Disulfide		5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene		5	U	5	U	5	U	5	U	101	%
1,1-Dichloroethane		5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		5	U	5	U	5	U	5	U	5	U
Chloroform		5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane		5	U	5	U	5	U	5	U	5	U
2-Butanone		10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane		5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride		5	U	5	U	5	U	5	U	5	U
Vinyl Acetate		10	U	10	U	10	U	10	U	10	U
Bromodichloromethane		5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane		5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U
Trichloroethene		5	U	5	U	5	U	5	U	94	%
Dibromochloromethane		5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5	U	5	U	5	U	5	U	5	U
Benzene		5	U	5	U	5	U	5	U	99	%
Trans-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U
Bromoform		5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone		10	U	10	U	10	U	10	U	10	U
2-Hexanone		10	U	10	U	10	U	10	U	10	U
Tetrachloroethene		5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

C1-8

RFW Batch Number: **9802L493** Client: **BLACK&DECKER-HAMPSTEAD** Work Order: 02501004001 Page: 8b

	Cust ID:	**VBLKFY**	**VBLKAC**	**VBLKGA**	**VBLKFZ**	**VBLKFZ BS**
	RFW#:	**98LVG042-MB1**	**98LVH049-MB1**	**98LVG041-MB1**	**98LVH048-MB1**	**98LVH048-MB1**
Toluene		5 U	5 U	5 U	5 U	97 %
Chlorobenzene		5 U	5 U	5 U	5 U	98 %
Ethylbenzene		5 U	5 U	5 U	5 U	5 U
Styrene		5 U	5 U	5 U	5 U	5 U
Xylene (total)		5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

C19

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

DATE RECEIVED: 02/12/98 RFW LOT # :9802L493

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
RFW-18	001	W	98LVC001	02/10/98	N/A	02/23/98
RFW-18	001 MS	W	98LVC001	02/10/98	N/A	02/23/98
RFW-18	001 MSD	W	98LVC001	02/10/98	N/A	02/23/98
RFW-19	002	W	98LVC001	02/10/98	N/A	02/23/98
RFW-17	003	W	98LVC001	02/10/98	N/A	02/23/98
RFW-2A	004	W	98LVG042	02/10/98	N/A	02/24/98
RFW-2B	005	W	98LVH049	02/10/98	N/A	02/24/98
RFW-7	006	W	98LVG042	02/10/98	N/A	02/24/98
RFW-1A	007	W	98LVC001	02/10/98	N/A	02/23/98
RFW-1A	007 R1	W	98LVG042	02/10/98	N/A	02/24/98
EW-4	008	W	98LVH049	02/10/98	N/A	02/24/98
EW-5	009	W	98LVG042	02/10/98	N/A	02/24/98
RFW-20	010	W	98LVG042	02/10/98	N/A	02/24/98
RFW-21	011	W	98LVH049	02/10/98	N/A	02/24/98
EW-2	012	W	98LVG041	02/10/98	N/A	02/23/98
EW-3	013	W	98LVH049	02/10/98	N/A	02/24/98
LEISTER-1	014	W	98LVG041	02/10/98	N/A	02/23/98
LEISTER-DAIRY	015	W	98LVG041	02/10/98	N/A	02/23/98
RFW-11A	016	W	98LVG041	02/11/98	N/A	02/23/98
RFW-11B	017	W	98LVG041	02/11/98	N/A	02/23/98
RFW-9	018	W	98LVG041	02/11/98	N/A	02/23/98
RFW-1B	019	W	98LVG041	02/11/98	N/A	02/23/98
RFW-4A	020	W	98LVG041	02/11/98	N/A	02/23/98
RFW-4A DUP	021	W	98LVH048	02/11/98	N/A	02/23/98
RFW-4B	022	W	98LVH048	02/11/98	N/A	02/23/98
RFW-6	023	W	98LVH048	02/11/98	N/A	02/23/98
RFW-3B	024	W	98LVH048	02/11/98	N/A	02/23/98
RFW-13	025	W	98LVH048	02/11/98	N/A	02/23/98
HAMP-22	026	W	98LVH048	02/11/98	N/A	02/23/98
EW-6	027	W	98LVH048	02/11/98	N/A	02/23/98
EW-7	028	W	98LVH048	02/11/98	N/A	02/23/98
EW-8	029	W	98LVH048	02/11/98	N/A	02/24/98
EW-9	030	W	98LVH049	02/11/98	N/A	02/24/98
EW-10	031	W	98LVH048	02/11/98	N/A	02/24/98
EW-10	031 MS	W	98LVH048	02/11/98	N/A	02/24/98
EW-10	031 MSD	W	98LVH048	02/11/98	N/A	02/24/98
RFW-12B	032	W	98LVH049	02/11/98	N/A	02/24/98
TRIP BLANK	033	W	98LVH048	02/10/98	N/A	02/23/98

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

DATE RECEIVED: 02/12/98 RFW LOT # :9802L493

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
FIELD BLANK	034	W	98LVH048	02/10/98	N/A	02/23/98
EW-9 DUP	035	W	98LVH049	02/11/98	N/A	02/24/98
LAB QC:						
VBLKFX	MB1	W	98LVC001	N/A	N/A	02/23/98
VBLKFX	MB1 BS	W	98LVC001	N/A	N/A	02/23/98
VBLKFY	MB1	W	98LVG042	N/A	N/A	02/24/98
VBLKAC	MB1	W	98LVH049	N/A	N/A	02/24/98
VBLKGA	MB1	W	98LVG041	N/A	N/A	02/23/98
VBLKFZ	MB1	W	98LVH048	N/A	N/A	02/23/98
VBLKFZ	MB1 BS	W	98LVH048	N/A	N/A	02/23/98

RECRA LabNet Use Only

9802L493

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: Blasland Bouck - HAMPSTEAD

Est. Final Proj. Sampling Date: 11 FEB 98

Project #: 02501-004-001-0200-00

Project Contact/Phone #: CHRIS HARRIS/610-701-7423

RECRA Project Manager: MIKE YOUNG

QC: SW846 Del: STD TAT: STD - 28 DAY

Date Rec'd: 2-12-98 Date Due: 3-12-98

Account #: BLAQECHAMP

Refrigerator #: 1

#/Type Container	Liquid	2
	Solid	
Volume	Liquid	40 ml
	Solid	
Preservatives		HCl

ANALYSES REQUESTED

ORGANIC: VOA | BNA | Pest/PCB | Herb

INORG: Metal | CN

RECRA LabNet Use Only: 06244

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 (✓) MS	MSD	Matrix	Date Collected	Time Collected	
101	RFW-1B			W	2/10/98	0940	X
2	RFW-19					1000	X
3	RFW-17					1015	X
4	RFW-2A					1045	X
5	RFW-2B					1110	X
6	RFW-7					1130	X
7	RFW-1A					1205	X
9	EW-4					1230	X
9	EW-5					1220	X
010	RFW-20					1715	X

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

Temp 5-4°C

DATE/REVISIONS:

1.
2.
3.
4.
5.
6.

Relinquished by	Received by	Date	Time
		2-12-98	1005

Relinquished by	Received by	Date	Time

RECRA LabNet Use Only

Samples were: 1) Shipped ___ or Hand Delivered ✓ Airbill # ___

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)

COC Record Present Upon Sample Rec't (Y) or N

Discrepancies Between Samples Lables and COC Record? Y or (N)

NOTES

RECRA LabNet Use Only

9802L493

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: Black & Decker - Hamp

Est. Final Proj. Sampling Date: 2-11-98

Project #: 07701-007-001

Project Contact/Phone #: C. HARRIS

RECRA Project Manager: M. YOUNG

QC: Del TAT: 28 DAY

Date Rec'd: 2-5-98 Date Due:

Account #: PO#

Refrigerator #: 1

#/Type Container: Liquid 2/G; Solid

Volume: Liquid 40 ml; Solid

Preservatives: HCl

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb; INORG: Metal, CN

RECRA LabNet Use Only: 06244

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 (✓) MS	MSD	Matrix	Date Collected	Time Collected	
011	RFW-21			W	2/10/98	1345	X
012	EW-2					1515	X
013	EW-3					1510	X
014	LEISTER-1					1736	X
015	LEISTER-DAIRY					1740	X
016	RFW-11A				2/11/98	0945	X
017	RFW-11B					0910	X
018	RFW-9					0940	X
019	RFW-1B					0945	X
020	RFW-4A					1050	X

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

Temp 5.4

DATE/REVISIONS:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Relinquished by	Received by	Date	Time
		2-12-98	1005

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Lables and COC Record? Y or N

NOTES

RECRA LabNet Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received With 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't Y or N

RECRA LabNet Use Only

9802L493

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: Black & Veatch - HAMM
Est. Final Proj. Sampling Date: 2-11-98
Project #: 02501.004.001
Project Contact/Phone #: C. HARRIS
RECRA Project Manager: M. YOUNG
QC: Del. SDG TAT: 28 days
Date Rec'd: Date Due:
Account #:

Refrigerator #		
#/Type Container	Liquid	2/G
	Solid	
Volume	Liquid	1/2 L
	Solid	
Preservatives		HCl

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb; INORG: 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 (✓) MS	MSD	Matrix	Date Collected	Time Collected	RECRA LabNet Use Only: 0624H
021	RFW-7A DUP			W	2/11/98	1050	X
022	RFW-7B					1055	X
023	RFW-6					1100	X
024	RFW-3B					1110	X
025	RFW-13					1150	X
026	HAMP-22					1040	X
027	EW-6					1130	X
028	EW-7					1135	X
029	EW-8					1200	X
030	EW-9					1210	X

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

Temp 5.4

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Relinquished by	Received by	Date	Time
		2-12-98	1005

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

RECRA LabNet Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
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

COC Record Present Upon Sample Rec't Y or N

RECRA LabNet Use Only

98021493

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client Black & Veatch - Hanpstead

Est. Final Proj. Sampling Date 2-11-98

Project # 02501-004-01

Project Contact/Phone # C. HARRIS

RECRA Project Manager M. YOUNG

QC ____ Del ____ TAT 28 DAY

Date Rec'd SEE Date Due DEL

Account #

Refrigerator #

#/Type Container	Liquid	2/CC
	Solid	
Volume	Liquid	40-1
	Solid	
Preservatives		HCl

ANALYSES REQUESTED →

ORGANIC: VOA | BNA | Pest/PCB | Herb

INORG: Metal | CN

RECRA LabNet Use Only

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 (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	Metal	CN
031	EW-10			W	2/11/98	1220	X					
032	RFW-12B				↓	1240	X					
033	TRIP BLANK				2/12/98	—	X					
034	FIELD BLANK				↓	0935	X					
035	EW-9 DUP.			W	2/11/98	1210	X					

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

DATE/REVISIONS:

1. ____
2. ____
3. ____
4. ____
5. ____
6. ____

RECRA LabNet Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ____
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

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

Relinquished by	Received by	Date	Time
		2-12-98	1005

Relinquished by	Received by	Date	Time

4 4