QUARTERLY GROUNDWATER MONITORING REPORT

Prepared for

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

JANUARY 1996

Prepared by

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W.O. No. 02501-004-001-0200

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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. Final versions of the documents are to become part of the Administrative Record for the site which is to be maintained at a public repository in the town of Hampstead.

SECTION 2
SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland facility, the following pumping and water level information is included for the period of October through December 1995.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1.

Water levels for wells included in the water level monitoring plan are presented in Table 2-2. At the time the data was collected, the extraction wells were pumping at a combined rate of approximately 151 gallons per minute (gpm).

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of October through December 1995 are included in Appendix A.

2.3 GROUNDWATER QUALITY DATA

A summary of groundwater analytical results for the fourth quarter (November 1995) is included in Table 2-4. Analytical data packages for the fourth quarter of 1995 are included in Appendix B.

For the reporting period of October through December 1995, approximately 313 lbs of total

Table 2-1
Treatment System Pumping Records - 4th Quarter 1995
Black & Decker
Hampstead, Maryland

Date	Water pumped (gallons)
October 1995	6,699,531
November 1995	6,075,298
December 1995	6,725,716

B&D-2\TBLE2-1.XLS

Table 2-2
Groundwater Elevation Data - 4th Quarter 1995
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	10/23/95		11/13/95		12/22/95	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--
EW-2	849.21	110	89.12	760.09	86.28	762.93	87.21	762.00
EW-3	846.64	118	64.56	782.08	64.65	781.99	69.17	777.47
EW-4	858.01	97.5	63.97	794.04	63.89	794.12	63.72	794.29
EW-5	864.17	98	82.45	781.72	68.78	795.39	71.32	792.85
EW-6	831.98	115	69.32	762.66	70.04	761.94	70.44	761.54
EW-7	818.38	78	44.56	773.82	44.72	773.66	44.81	773.57
EW-8	811.13	98	54.27	756.86	55.61	755.52	55.86	755.27
EW-9	811.35	141	88.15	723.20	89.37	721.98	89.64	721.71
EW-10	807.74	NA	53.07	754.67	53.81	753.93	52.78	754.96
RFW-1A	864.37	78	52.79	811.58	52.12	812.25	51.86	812.51
RFW-1B	864.23	200	52.82	811.41	52.09	812.14	51.85	812.38
RFW-2A	857.41	35	19.49	837.92	18.36	839.05	16.19	841.22
RFW-2B	857.73	75	20.11	837.62	18.98	838.75	16.83	840.90
RFW-3B	839.21	153	35.60	803.61	36.77	802.44	34.73	804.48
RFW-4A	830.37	62	38.67	791.70	38.62	791.75	38.34	792.03
RFW-4B	830.37	120	38.61	791.76	38.43	791.94	38.22	792.15
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	3.97	781.07	3.55	781.49	4.46	780.58
RFW-7	805.14	29	7.63	797.51	7.12	798.02	7.63	797.51
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--
RFW-9	858.21	49	28.01	830.20	26.82	831.39	NA	--
RFW-10	852.06	58	58.18	793.88	54.71	797.35	54.79	797.27
RFW-11A	849.32	72	61.02	788.30	60.91	788.41	62.95	786.37
RFW-11B	849.62	116	63.90	785.72	63.83	785.79	67.00	782.62
RFW-12B	844.87	264	51.39	793.48	51.44	793.43	51.51	793.36
RFW-13	849.11	150	62.12	786.99	61.60	787.51	61.71	787.40
RFW-14B	812.39	281	41.64	770.75	42.68	769.71	43.63	768.76
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	27.47	807.19	27.36	807.30	27.42	807.24
RFW-18	843.67	50	4.66	839.01	4.00	839.67	4.68	838.99
RFW-19	858.28	60	7.36	850.92	6.33	851.95	7.04	851.24
PH-7	805.94	89	34.05	771.89	34.06	771.88	33.87	772.07
PH-9	814.94	98	38.74	776.20	38.86	776.08	38.93	776.01
PH-11	820.68	78	42.30	778.38	41.41	779.27	42.93	777.75
PH-12	828.35	87	46.75	781.60	45.93	782.42	46.84	781.51
B-2	807.68	100	6.45	801.23	4.56	803.12	5.39	802.29
B-3	803.02	83	8.94	794.08	7.99	795.03	8.24	794.78
Amoco	842.29	NA	25.50	816.79	25.42	816.87	25.61	816.68
Hamp. Town #22	NA	NA	0.72	--	NA	--	0.69	--
Pembroke #1	NA	NA	17.02	--	15.85	--	16.11	--
Pembroke #2	NA	NA	36.15	--	35.92	--	35.38	--
N. Houcks. Rd.	NA	NA	11.90	--	9.08	--	8.37	--
E. Century St.	NA	NA	11.20	--	10.91	--	10.74	--
Lwr. Beckleys. Rd.	NA	NA	54.75	--	54.88	--	54.23	--

NA = Not Available / Not Accessible

Table 2-3
Effluent Characteristics Summary - 4th Quarter 1995
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter		Units	Permit Limits	DMR DATE		
					October 1995	November 1995	December 1995
001	FLOW	average	MGD	NA	0.3146	0.3652	0.0770
		maximum	MGD	NA	1.3077	0.9280	0.2012
	1,1,1-Trichloroethane		ug/l	5	ND	ND	ND
	Tetrachloroethylene		ug/l	5	ND	ND	ND
	Trichloroethylene		ug/l	5	ND	ND	ND
	Total Residual Chlorine		mg/l	<0.1	<0.1	ND	<.01
	Oil & Grease		mg/l	15	ND	ND	ND
	pH	minimum	STD	6.0	6.47	7.18	6.85
		maximum	STD	8.5	7.36	7.62	7.93
	BOD		mg/l	15	4	4	8
	TSS	average	mg/l	20			9
		maximum	mg/l	30	15	7	5
101 (Monitoring Point)	FLOW	average	MGD	NA	0.438	0.435	0.499
		maximum	MGD	NA	0.459	0.447	0.534
	Fecal Coliform		MPN/100ml	200	ND	ND	ND
201 (Monitoring Point)	FLOW	average	MGD	NA	0.2161	0.2025	0.2170
		maximum	MGD	NA	0.2331	0.2310	0.2323
	1,1,1-Trichloroethane		ug/l	NA	ND	ND	ND
	Tetrachloroethylene		ug/l	NA	ND	ND	ND
	Trichloroethylene		ug/l	NA	ND	ND	ND

NA = Not Applicable
ND = Not Detected

Table 2-4

Summary of Groundwater Analytical Results - November 1995
Black & Decker
Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2 (50)	EW-3 (10)	EW-4 (25)	EW-5 (50)	EW-5 (DUP.) (50)	EW-6	EW-7	EW-8	EW-9 (10)	EW-10 (2)	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
Chloroethanane	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	380 B	100 B	180 B	390 B	470 B	3 JB	5 U	7 B	87 B	20 B	2 JB	8 B	3 JB
Acetone	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	4 JB	10 U	10 U
Carbon Disulfide	ug/L	NS	250 U	50 U	120 U	250 U	250 U	4 J	5 U	5 U	50 U	10 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	2 J	5 U	50 U	10 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	2 J	5 U	50 U	10 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	250 U	50 U	120 U	250 U	250 U	3	18	34	50 U	10 U	5 U	5 U	5 U
Chloroform	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	250 U	50 U	120 U	150 J	130 J	5 U	3 J	5 U	50 U	10 U	5 U	3 J	5 U
Carbon Tetrachloride	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	5300	1800	3700	5100	5000	19	29	22	17 J	3 J	5 U	5 U	3 J
Dibromochloromethane	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Benzene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Bromoform	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	500 U	100 U	250 U	500 U	500 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	130 J	32 J	90 J	140 J	120 J	100	74	200	1100	250	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Toluene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Styrene	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	250 U	50 U	120 U	250 U	250 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U

(2.5) = Dilution factor.
NS = NOT SAMPLED

Table 2-4

Summary of Groundwater Analytical Results - November 1995
Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-4A (2.5)	RFW-4B (2)	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10 (50)	RFW-10 (DUP.) (50)	RFW-11A	RFW-11B	RFW-12B	RFW-13
Chloromethane	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
Bromomethane	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
Vinyl Chloride	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
Chloroethanane	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
Methylene Chloride	ug/L	2 JB	23 B	19 B	NS	6 B	5 U	NS	4 JB	440 B	390 B	4 JB	1 JB	190 B	3 JB
Acetone	ug/L	10 U	25 U	20 U	NS	8 JB	10 U	NS	10 U	500 U	500 U	10 U	10 U	210 JB	10 U
Carbon Disulfide	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
1,1-Dichloroethene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
1,1-Dichloroethane	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	3 J	250 U	250 U	5 U	5 U	120 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	7 J	9 J	NS	8	2 J	NS	8	250 U	250 U	5 U	5 U	120 U	5 U
Chloroform	ug/L	5 U	12 U	2 J	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
1,2-Dichloroethane	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
2-Butanone	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
1,1,1-Trichloroethane	ug/L	1 J	12 U	10 U	NS	5 U	5 U	NS	2 J	67 J	88 J	5 U	5 U	120 U	5 U
Carbon Tetrachloride	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Vinyl Acetate	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
Bromodichloromethane	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
1,2-Dichloropropane	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Trichloroethene	ug/L	5	220	190	NS	56	13	NS	43	5300	7100	77	57	4200	8
Dibromochloromethane	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Benzene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	190 J	5 U	5 U	120 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Bromoform	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
2-Hexanone	ug/L	10 U	25 U	20 U	NS	10 U	10 U	NS	10 U	500 U	500 U	10 U	10 U	250 U	10 U
Tetrachloroethene	ug/L	5 U	340	360	NS	50	5 U	NS	11	150 J	190 J	1 J	5 U	87 J	64
1,1,2,2-Tetrachloroethane	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Toluene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Chlorobenzene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Ethylbenzene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Styrene	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U
Xylene (total)	ug/L	5 U	12 U	10 U	NS	5 U	5 U	NS	5 U	250 U	250 U	5 U	5 U	120 U	5 U

(2.5) = Dilution factor.
NS = NOT SAMPLED

e 2-4

Summary of Groundwater Analytical Results - November 1995
Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-16	RFW-17	RFW-18	RFW-19	TOWN #22	TOWN #23	LEISTER DAIRY	LEISTER RES. #1	LEISTER RES. #2	FIELD BLANK	TRIP BLANK
Chloromethane	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Bromomethane	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Vinyl Chloride	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Chloroethanane	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Methylene Chloride	ug/L	NS	2 JB	3 JB	5 B	7 B	7 B	6 B	6 B	NS	7 B	4 JB
Acetone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Carbon Disulfide	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Chloroform	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
2-Butanone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Carbon Tetrachloride	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Vinyl Acetate	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Bromodichloromethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,2-Dichloropropane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Trichloroethene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Dibromochloromethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Benzene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Bromoform	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
2-Hexanone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Tetrachloroethene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5	5 U	NS	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Toluene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Chlorobenzene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Ethylbenzene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Styrene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Xylene (total)	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U

(2.5) = Dilution factor.
NS = NOT SAMPLED

volatile organic compounds (VOCs) were removed from the groundwater. In general, the total VOCs were comprised of trichloroethene (TCE) (82%), tetrachlorethene (PCE) (17%), and a small percentage of 1,2-dichloroethene and 1,1,1-trichloroethane.

In general, the VOCs detected in the highest concentrations were TCE and PCE. Those compounds detected at lower concentrations are 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).

As found in earlier sampling events at the Black & Decker facility, the highest concentrations of TCE were found on the eastern half of the Black & Decker facility in monitor well RFW-16. The highest concentrations of PCE were found in the vicinity of former production well 7 (now EW-10) and recovery well EW-9.

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 (October 1995 through December 1995) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate, or other routine activities).

Table 3-1
Treatment System Maintenance Activities - 4th Quarter 1995
Black & Decker
Hampstead, Maryland

Date	Event	Corrective Action
Oct-95	Well # 6 shutdown.	Replaced ground in well # 6.
Oct-95	Well # 6 shutdown.	Replaced ground and rewired well # 6 to prevent future occurrence.
Nov-95	Well # 4 shutdown due to decreased flow.	Planning to install low level switch during 1st quarter 1996, as soon as weather permits.
Nov-95	Blower # 2 shutdown.	Replaced sail switch on blower # 2.
Nov-95	Well # 5 shutdown.	Rewired well # 5.

SECTION 4
RECOMMENDATIONS

For the reporting period of October through December 1995, 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

OCTOBER - DECEMBER 1995
DISCHARGE MONITORING REPORTS

PERMI[redacted]ME/ADDRESS (Include Facility [redacted]Location if different)

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

ADDRESS 626 HANOVER PIKE

HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION CARROLL COUNTY

NATIONAL POLLUTANT DIS[redacted]E ELIMINATION SYSTEM (NPDES)
DISCHARGE M[redacted]TORING REPORT (DMR)

[redacted]Approved.
[redacted]No. 2040-004
Approval expires 9-30-85

(2-10) 93-DP-0022 PERMIT NUMBER

(17-19) 001 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	95	10	01	TO	95	10	31

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0.3146	1.3077	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	3/month	grab
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						ND	mg/l	0	1/month	grab
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
LaVere N. Grimes Facilities Manager	I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalities 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		95	11	28
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)

PERMIT[redacted]ME/ADDRESS (Include Facility Name/Location if different)

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

ADDRESS 626 HANOVER PIKE

HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION CARROLL COUNTY

NATIONAL POLLUTANT DISCH[redacted]ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

F[redacted]roved.
O[redacted]2040-004
Approval expires 9-30-85

(2-16) PERMIT NUMBER: 93-DP-0022

(17-19) DISCHARGE NUMBER: 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95 (20-21)	10 (22-23)	01 (24-25)	TO	95 (26-27)	10 (28-29)	31 (30-31)

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT				6.47		7.36	STD	0	2/week	grab
	PERMIT REQUIREMENT				6.0		8.5			2/WEEK	GRAB
BOD	SAMPLE MEASUREMENT						4	mg/l	0	1/month	grab
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						15	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalities 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

TELEPHONE: AREA CODE 410 NUMBER 239-5555

DATE: YEAR 95 MO 11 DAY 28

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

PERMIT [redacted]ME/ADDRESS (*Include Facility [redacted]ocation if different*)

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

ADDRESS 626 HANOVER PIKE
HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION CARROLL COUNTY

NATIONAL POLLUTANT DISC[redacted] ELIMINATION SYSTEM (*NPDES*)
DISCHARGE M[redacted]ORING REPORT (*DMR*)

[redacted]pproved.
[redacted]o. 2040-004
Approval expires 9-30-85

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
93-DP-0022	101

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	95	10	01	TO	95	10	31

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0.438	0.459	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
FECAL COLIFORM	SAMPLE MEASUREMENT						ND	MPN/ 100ml	0	1/week	grab
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
LaVere N. Grimes Facilities Manager	I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (*Penalities 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	95	11	28
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*)

Facility Na[redacted]on if different)

NAME [redacted]LACK & DECKER (U.S.) INC.

ADDRESS 626 HANOVER PIKE

HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION CARROLL COUNTY

DISCHARGE MO[redacted]ING REPORT (DMR)

(1-15) (17-19)

93-DP-0022	201
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95 (20-21)	10 (22-23)	01 (24-25)	TO	95 (26-27)	10 (28-29)	31 (30-31)

O[redacted]030-004

Ap[redacted]xpires 9-30-85

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0.2161	0.2331	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 *(Penalities 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

AREA CODE	NUMBER
410	239-5555

DATE

YEAR	MO	DAY
95	11	28

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

Division of [redacted]'s Sewerage
Waste Stabilization Pond

ND on VOC's @ Outfalls.

NAME OF INSTALLATION Black & Decker (US) Inc. CELL COUNTY Carroll
ADDRESS 626 Hanover Pike, Hampstead, Md. 21074 OPERATOR D. Earl Weddle MONTH Oct. 19 95
CERTIFICATION NO. 1049

		CELL													DIKES			NPDES OUTFALLS 001								101	201
DATE	WEATHER	pH (meter)	DO mg/l	POND DEPTH—FEET CELL #1	BOD_5 mg/l	TSS mg/l	COLOR OF WATER CELL #1	Fecal Coli. MPN/100 ml	Cl_2 lbs/day	Cl_2 Residual	Sulfuric Acid lbs./day	FLOATING SCUM	SMALLOW SPOTS OR SLUDGE BANKS	ICE (ESTIMATE % SURFACE COVERED)	EROSION	RODENT HOLES	GRASS CUT	FLOW - MGD	Appearance	Cl_2 Residual	DO mg/l	BOD_5 mg/l	TSS mg/l	O & G mg/l	pH	Fecal Coli. MPN/100 ml	FLOW - MGD
S 1																		0									232028
M 2	0	6.6	8.9	10.0		12.4	clear			<0.1	160	NONE	NONE	0	NONE	NONE		0									216733
T 3	1	6.3	8.8	10.2		6.4	clear			<0.1	175	NONE	NONE	0	NONE	NONE		0.3157									217694
W 4	6			10.3								NONE	NONE	0	NONE	NONE		0.9625	clear						6.47		221932
T 5	6	6.5	8.0	10.0		10.0	clear					NONE	NONE	0	NONE	NONE		1.3077									233104
F 6	0			10.0								NONE	NONE	0	NONE	NONE		↑	clear		4	15	ND	6.75	ND	↑
S 7																											
S 8																		2.3817									
M 9	0			9.0								NONE	NONE	0	NONE	NONE		0.0579	poke q						6.73		650322
T 10	0	7.1	9.0	9.0		11.6	pale green					NONE	NONE	0	NONE	NONE		0									220399
W 11	0	7.9	8.9	9.0		11.6	pale green					NONE	NONE	0	NONE	NONE		0									216438
T 12	0	7.3	8.9	9.1		12.4	pale green				275	NONE	NONE	0	NONE	NONE		0									221194
F 13	0	7.3	8.4	9.1		12.4	pale green				225	NONE	NONE	0	NONE	NONE		↑									190426
S 14																											↑
S 15																		0									662028
M 16	0	7.6	9.0	9.6		12.2	clear				200	NONE	NONE	0	NONE	NONE		0									226843
T 17	0	7.4	9.4	9.7		10.4	clear				225	NONE	NONE	0	NONE	NONE		0									224727
W 18	0	7.1	8.9	9.7		9.6	clear				175	NONE	NONE	0	NONE	NONE		0									218141
T 19	0	6.9	9.0	9.8		8.0	clear				176	NONE	NONE	0	NONE	NONE		0									211129
F 20	1.6			9.8								NONE	NONE	0	NONE	NONE		↑									↑
S 21																											
S 22																		0									665096
M 23	0	6.8	9.0	11.0		6.0	clear			0.05		NONE	NONE	0	NONE	NONE		1.1594	clear	0.02					7.27		215938
T 24	1	7.0	8.7	10.5		2.8	clear			<0.1	75	NONE	NONE	0	NONE	NONE		1.1124									224651
W 25	1	6.8	8.9	9.9		5.6	clear			<0.1		NONE	NONE	0	NONE	NONE		0.3228									213623
T 26	1			9.9								NONE	NONE	0	NONE	NONE		0.3449	clear	0.06					6.86		216055
F 27	1.6	7.3	9.2	9.8		8.8	clear					NONE	NONE	0	NONE	NONE		↑									↑
S 28																											
S 29																		1.1646									618957
M 30	1	6.2	9.0	9.7		10.4	clear					NONE	NONE	0	NONE	NONE		0.3219									206064
T 31	1			9.7								NONE	NONE	0	NONE	NONE		0.3025	clear	0.06					7.36		186064
TOTAL											1675							9.7640									1649531
AVERAGE		7.0	8.9	9.8		9.7	clear			<0.1	54	NONE	NONE	0	NONE	NONE		0.3146	clear	0.05		4	15	ND	6.91	ND	216114

Gascoyne Laboratories, Inc.

Baltimore, MD 21224-6697

(410) 633-1800
(800) GAS-COYN
FAX NO.
(410) 633-5443

REPORT OF ANALYSIS

Report No. 95-10-126 Report Date: October 23, 1995

Report To: Black & Decker Company Page: 3 of 8

Sample ID: Grab Water sample taken by Gascoyne Laboratories, Inc., on 10/06/95 (1006) from the Black & Decker facility located at 626 Hanover Pike, Hampstead, MD: Air Stripper #2 (Pre)

Compound	Results	Detection Limits
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acrolein	ND	100
Acrylonitrile	ND	100
Trichlorofluoromethane	6	5
1,1-Dichloroethane	ND	5
1,2-Dichloroethene (4)	11	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1,1-Trichloroethane	11	5
Carbon tetrachloride	ND	5
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
trans-1,3-Dichloropropene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
2-Chloroethylvinyl ether	ND	10
Bromoform	ND	5
Tetrachloroethene	250	5
1,1,2,2-Tetrachloroethane	ND	5
Ethylbenzene	ND	5
1,1-Dichloroethene	ND	5
Trichloroethene	1,500	5
Benzene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5

Notes

(1) Results expressed as ug/l (ppb).
(2) Analysis performed according to method EPA 624.
(3) Analyst(s): JLS; Date Test Completed: 10/16/95.
(4) Reported as the sum of the cis and trans isomers.

William L. Lock
Laboratory Director

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

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

ADDRESS: 626 HANOVER PIKE
HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION: CARROLL COUNTY

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

Approved.
No. 2040-004
Approval expires 9-30-85

PERMIT NUMBER (3-10)	DISCHARGE NUMBER (17-19)
93-DP-0022	001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	95	11	01	TO	95	11	30

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0.3652	0.9280	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						ND	mg/l	0	4/month	grab
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						ND	mg/l	0	1/month	grab
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
LaVere N. Grimes Facilities Manager	I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalities 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	95	12	12
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)

PERMIT [illegible]E/ADDRESS *(Include Facility N[illegible]Location if different)*

NAME	BLACK & DECKER (U.S.) INC.
ADDRESS	626 HANOVER PIKE
	HAMPSTEAD, MARYLAND 21074
FACILITY	
LOCATION	CARROLL COUNTY

NATIONAL POLLUTANT DISCHAR[illegible]INATION SYSTEM *(NPDES)*

DISCHARGE MONI[illegible]NG REPORT *(DMR)*

(2-16)	(17-19)
93-DP-0022	001
PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	11	01	TO	95	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form App[illegible]
OMD No. 2[illegible]
Approval exp[illegible] 9-30-85

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANITITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT				7.18		7.62	STD	0	2/week	grab
	PERMIT REQUIREMENT				6.0		8.5			2/WEEK	GRAB
BOD	SAMPLE MEASUREMENT						4	mg/l	0	1/month	grab
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						7	mg/l	0	1/month	grab
	PERMIT REQUIREMENT					20	30			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 *(Penalities under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years)*

[illegible]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
410-239-5555		95	12	12
AREA CODE	NUMBER	YEAR	MO	DAY

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

EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED)

PERMIT[redacted]E/ADDRESS (*Include Facility l[redacted]cation if different*)

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

ADDRESS 626 HANOVER PIKE

HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION CARROLL COUNTY

NATIONAL POLLUTANT DISCHAR[redacted]MINATION SYSTEM (*NPDES*)

DISCHARGE MON[redacted]NG REPORT (*DMR*)

Form A[redacted]

OMD No.[redacted]4

Approval expires 9-30-85

(2-10) 93-DP-0022 PERMIT NUMBER

(17-19) 101 DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR (20-21)	MO (22-23)	DAY (24-25)	TO	YEAR (26-27)	MO (28-29)	DAY (30-31)
	95	11	01		95	11	30

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0.435	0.447	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
FECAL COLIFORM	SAMPLE MEASUREMENT						ND	MPN/ 100ml	0	1/week	grab
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (*Penalities 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

AREA CODE 410 NUMBER 239-5555

DATE

YEAR	MO	DAY
95	12	12

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

[illegible]
Facility Na[redacted]*on if different)*

NAME [redacted]CK & DECKER (U.S.) INC.
ADDRESS 626 HANOVER PIKE
HAMPSTEAD, MARYLAND 21074
FACILITY
LOCATION CARROLL COUNTY

DISCHARGE MONI[redacted] REPORT (DMR)

(2-16)	(17-19)
93-DP-0022	201
PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	11	01	TO	95	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

OMB No. 2[redacted]
Approval e[redacted]*30-85*

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0. 2025	0.2310	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
LaVere N. Grimes Facilities Manager	I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 *(Penalities under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years)*	[illegible]	410-239-5555		95	12	12
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)*

Division of ... Sewerage
Waste Stabilization Pond

ND on VOC's @ Outfalls.

NAME OF INSTALLATION: Black & Decker (US) Inc. CELL: ______ COUNTY: Car[illegible]
ADDRESS: 626 Hanover Pike, Hampstead, Md. 21074 OPERATOR: D. Earl Weddle MONTH: Nov. 1995
CERTIFICATION NO. 1049

	DATE	WEATHER	CELL pH (meter)	DO mg/l	POND DEPTH—FEET CELL #1	BOD_5 mg/l	TSS mg/l	COLOR OF WATER CELL #1	Fecal Coli. MPN/100 ml	Cl_2 lbs/day	Cl_2 Residual	Sulfuric Acid lbs./day	FLOATING SCUM	SHALLOW SPOTS OR SLUDGE BANKS	ICE (ESTIMATE % SURFACE COVERED)	DIKES EROSION	RODENT HOLES	GRASS CUT	NPDES OUTFALLS 001 FLOW - MGD	Appearance	Cl_2 Residual	DO mg/l	BOD_5 mg/l	TSS mg/l	O & G mg/l	pH	101 Fecal Coli. MPN/100 ml	201 FLOW - MGD
W	1	5.6	7.1	9.3	9.8		5.6	clear			<0.1		NONE	NONE	0	NONE	NONE		0.2989									.210042
T	2	8.1			10.0							25	NONE	NONE	0	NONE	NONE		0.2963	clear	0.07					7.18		.183397
F	3	1	7.1	9.0	10.1		2.8	clear			<0.1	25	NONE	NONE	0	NONE	NONE		↑									↑
S	4																											
S	5																		0.9575									.545547
M	6	0			9.7								NONE	NONE	0	NONE	NONE		0.2870	clear	0.04					7.54		.215304
T	7	6	7.1	9.3	9.6		2.8	clear			<0.1	25	NONE	NONE	0	NONE	NONE		0.2705									.197547
W	8	1.7	7.1	9.2	9.6		4.0	clear			<0.1		NONE	NONE	0	NONE	NONE		0.2801									.190137
T	9	0			9.5							125	NONE	NONE	0	NONE	NONE		0.2387	clear						7.40		.212302
F	10	1			9.4								NONE	NONE	0	NONE	NONE		↑									↑
S	11																											
S	12																		0.4905									.556823
M	13	2.7			9.8							100	NONE	NONE	0	NONE	NONE		0.1081	clear						7.40		.207408
T	14	7			9.9								NONE	NONE	0	NONE	NONE		0.1277									.193964
W	15	7	7.1	10.7	10.9		4.4	clear			<0.1		NONE	NONE	0	NONE	NONE		0.8624									.194303
T	16	0			10.6								NONE	NONE	0	NONE	NONE		0.7518	clear	0.02					7.23		.194942
F	17	0	7.2	10.9	10.3		4.8	clear			<0.1		NONE	NONE	0	NONE	NONE		0.9280									↑
S	18	2			9.9							100	NONE	NONE	0	NONE	NONE		↑									
S	19																		1.7655									.518862
M	20	1			9.2							50	NONE	NONE	0	NONE	NONE		0.8605	clear						7.36		.199511
T	21	1	7.1	10.4	8.8		2.8	clear			<0.1	50	NONE	NONE	0	NONE	NONE		0.8399									.220123
W	22	2			8.5							175	NONE	NONE	0	NONE	NONE		↑	clear	0.00					7.39		↑
T	23																											
F	24																		0.5901									
S	25	0			8.5							100	NONE	NONE	0	NONE	NONE		↑	clear						7.42		
S	26																		0.3572									
M	27	2	7.5	11.4	8.6		6.8	clear			<0.1	175	NONE	NONE	0	NONE	NONE		0.1783									1.100150
T	28	0			8.5							75	NONE	NONE	0	NONE	NONE		0.1707	clear						7.62		.206896
W	29	7.2	7.1	10.5	8.4		6.8	clear			<0.1		NONE	NONE	0	NONE	NONE		0.1591									.228299
T	30	0	7.1	11.2	8.4		2.4	clear			<0.1		NONE	NONE	0	NONE	NONE		0.1380									.209725
	31																											.231016
TOTAL												1025							10.9568									6.075298
AVERAGE			7.2	10.2	9.6		4.3	clear			<0.1	34	NONE	NONE	0	NONE	NONE		0.3652	clear	0.03					7.39		.202510

Gascoyne Laboratories, Inc.

Baltimore, MD 21224-6697

(410) 633-1800
(800) GAS-COYN
FAX NO.
(410) 633-5443

REPORT OF ANALYSIS

Report No. 95-11-086 Report Date: November 29, 1995

Report To: Black & Decker Company Page: 2 of 9

Sample I.D. Grab Water sample taken by Gascoyne Laboratories, Inc. on 11/03/95 (0930) from the Black & Decker facility located at 626 Hanover Pike, Hampstead, MD: Air Stripper #2 Pre

Compound	Results	Detection Limits
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acrolein	ND	100
Acrylonitrile	ND	100
Trichlorofluoromethane	7	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
trans-1,3-Dichloropropene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
2-Chloroethylvinyl ether	ND	10
Bromoform	ND	5
Tetrachloroethene	360	5
1,1,2,2-Tetrachloroethane	ND	5
Ethylbenzene	ND	5
1,1-Dichloroethene	ND	5
Trichloroethene	1,200	5
Benzene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5

Notes

(1) Results expressed as ug/l (ppb).
(2) Analysis performed according to method EPA 624.
(3) Analyst(s): SJN,JLS; Date Test Completed: 11/13/95.

Thomas A. McVicker
QA/QC Officer

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

PERMIT[redacted]E/ADDRESS (Include Facility [redacted]ation if different)

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

ADDRESS 626 HANOVER PIKE

HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION CARROLL COUNTY

NATIONAL POLLUTANT DISCHA[redacted]MINATION SYSTEM (NPDES)
DISCHARGE MON[redacted]NG REPORT (DMR)

Form A[redacted]
OMD No[redacted]4
Approval [redacted]e 9-30-85

(3-10) 93-DP-0022 PERMIT NUMBER	(17-19) 001 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95 (20-21)	12 (22-23)	01 (24-25)	TO	96 (26-27)	12 (28-29)	31 (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0.0770	0.2012	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	3/month	grab
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT					ND	ND	mg/l	0	1/month	grab
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
LaVere N. Grimes Facilities Manager	I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 *(Penalities under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years)*	410-239-5555	96	01	03
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/ADDRESS (Include Facility Name/Location if different)

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

ADDRESS: 626 HANOVER PIKE
HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION: CARROLL COUNTY

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

Form Approved
OMB No. 2
Approval exp 30-85

(2-16) PERMIT NUMBER: 93-DP-0022

(17-19) DISCHARGE NUMBER: 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95 (20-21)	12 (22-23)	01 (24-25)	TO	95 (26-27)	12 (28-29)	31 (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)		(54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT				6.85		7.93	STD	0	2/week	grab
	PERMIT REQUIREMENT				6.0		8.5			2/WEEK	GRAB
BOD	SAMPLE MEASUREMENT						8	mg/l	0	1/month	grab
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					9	5	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
LaVere N. Grimes Facilities Manager	I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalities under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years)		410-239-5555	96	01	03
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 if different)

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

ADDRESS: 626 HANOVER PIKE
HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION: CARROLL COUNTY

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

Form Approved. OMB No. [illegible] Approval expires 9-30-81

(9-14) PERMIT NUMBER	(15-16) DISCHARGE NUMBER
93-DP-0022	101

MONITORING PERIOD

	YEAR (17-18)	MO (19-20)	DAY (21-22)		YEAR (23-24)	MO (25-26)	DAY (27-28)
FROM	95	12	01	TO	95	12	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(2 Card Only) (49-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (39-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (65-70)
FLOW	SAMPLE MEASUREMENT	0.499	0.534	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
FECAL COLIFORM	SAMPLE MEASUREMENT						ND	MPN/ 100ml	0	1/week	grab
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 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			DATE		
AREA CODE	NUMBER		YEAR	MO	DAY
410	239-5555		96	01	03

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

EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED

[REPLACES EPA FORM T-45 WHICH MAY NOT BE USED]

Facility Name (if different)

NAME [redacted]K & DECKER (U.S.) INC.

ADDRESS [redacted] HANOVER PIKE

HAMPSTEAD, MARYLAND 21074

FACILITY

LOCATION CARROLL COUNTY

(3-16) (17-19)

93-DP-0022	201
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95 (20-21)	12 (22-23)	01 (24-25)	TO	95 (26-27)	12 (28-29)	31 (30-31)

Approval e[redacted]0-85

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANITITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	0.2170	0.2323	MGD					0	Continuous Measured	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS/MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/month	grab
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALITY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDITIALLY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATIONIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALITIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 *(Penalities 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

TELEPHONE

AREA CODE	NUMBER
410	239-5555

DATE

YEAR	MO	DAY
96	01	03

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

Division of [redacted] & Sewerage
Waste Sta[redacted]ation Pond

NAME [redacted] INSTALLATION Black & Decker (US) Inc. CELL VOC @ Outfalls ND [redacted]roll COUNTY
ADDRESS 626 Hanover Pike, Hampstead, Md. 21074 OPERATOR D. Earl Weddle MONTH Dec. 19 95
CERTIFICATION NO. 1049

		CELL													DIKES			NPDES OUTFALLS 001										101	201
DATE	WEATHER	pH (meter)	DO mg/l	POND DEPTH-FEET CELL #1	BOD_5 mg/l	TSS mg/l	COLOR OF WATER CELL #1	Fecal Coli. MPN/100 ml	Cl_2 lbs/day	Cl_2 Residual	Sulfuric Acid lbs./day	FLOATING SCUM	SMALLOW SPOTS OR SLUDGE BANKS	ICE (ESTIMATE % SURFACE COVERED)	EROSION	RODENT HOLES	GRASS CUT	FLOW - MGD	Appearance	Cl_2 Residual	DO mg/l	BOD_5 mg/l	TSS mg/l	O & G mg/l	pH	Fecal Coli. MPN/100 ml		FLOW - MGD
F 1	0			8.5								NONE	NONE	0	NONE	NONE		↑	clear					6.85			↑
S 2																												
S 3																		0.3142										.643736
M 4	1	7.7	10.7	8.5		8.8	clear			0.01		NONE	NONE	0	NONE	NONE		0.0675										.218558
T 5	2			8.8								NONE	NONE	0	NONE	NONE		0.0890	clear	<0.1					7.55			.212849
W 6	1	7.1	10.6	9.1		4.0	clear			<0.1		NONE	NONE	0	NONE	NONE		0.0978				8	5	ND		ND		.227565
T 7	2	7.1	11.6	9.4		5.2	clear			<0.1		NONE	NONE	0	NONE	NONE		0.0999										.207565
F 8	1			9.5								NONE	NONE	40	NONE	NONE		↑	clear						7.52		↑	
S 9																												
S 10																		0.2586										.643977
M 11	0	7.4	12.5	9.5		3.6	clear			0.00		NONE	NONE	60	NONE	NONE		0.2012										.220703
T 12	1			9.5								NONE	NONE	70	NONE	NONE		0.0686	clear	<0.1					7.32			.213900
W 13	1.7	6.9	11.9	ice		2.8	clear			<0.1		NONE	NONE	80	NONE	NONE		0.0681										.212667
T 14	4.5	7.4	11.6	ice		1.6	clear			<0.1		NONE	NONE	90	NONE	NONE		0.0661										.222897
F 15	1			ice								NONE	NONE	90	NONE	NONE		↑	clear						7.40		↑	
S 16																												
S 17																		0.1561										.645352
M 18	6.2	7.6	12.3	10.3		0.8	clear			<0.1		NONE	NONE	90	NONE	NONE		0.0714										.217866
T 19	6.7			10.4								NONE	NONE	90	NONE	NONE		0.0678	clear						7.49			.212343
W 20	7.3	7.2	11.2	ice		3.6	clear			<0.1		NONE	NONE	85	NONE	NONE		0.0668										.226840
T 21	1	7.4	11.4	ice		6.4	clear			<0.1		NONE	NONE	75	NONE	NONE		0.0601										.213499
F 22	0			ice								NONE	NONE	75	NONE	NONE		↑	clear						7.60		↑	
S 23																												
S 24																												
M 25																		0.2623										.860120
T 26	1			ice								NONE	NONE	70	NONE	NONE		0.0623	clear	<0.1					7.93			.213977
W 27	0	7.6	12.0	ice		2.8	clear			<0.1		NONE	NONE	95	NONE	NONE		0.0658										.232308
T 28	0	7.3	11.2	ice		2.8	clear			<0.1		NONE	NONE	95	NONE	NONE		0.0661										.213464
F 29	0			ice								NONE	NONE	90	NONE	NONE		0.0588	clear						7.51		↑	
S 30																		0.0588										
S 31																		0.0587										.665540
TOTAL																		2.3860										6.726716
AVERAGE																		0.0770										.216959

Gascoyne Laboratories, Inc.

Baltimore, MD 21224-6697

(410) 633-1800
(800) GAS-COYN
FAX NO.
(410) 633-5443

REPORT OF ANALYSIS

Report No. 95-12-098 Report Date: December 22, 1995

Report To: Black & Decker Company

Sample I.D. Grab Water Sample taken by Gascoyne Laboratories, Inc. on 12/06/95 (0936) at the Black and Decker facility located at 626 Hanover Pike, Hampstead, MD: Air Stripper #2 (Pre)

Compound	Results	Detection Limits
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acrolein	ND	100
Acrylonitrile	ND	100
Trichlorofluoromethane	8	5
1,1-Dichloroethane	ND	5
1,2-Dichloroethene (4)	12	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1,1-Trichloroethane	20	5
Carbon tetrachloride	ND	5
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
trans-1,3-Dichloropropene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
2-Chloroethylvinyl ether	ND	10
Bromoform	ND	5
Tetrachloroethene	340	5
1,1,2,2-Tetrachloroethane	ND	5
Ethylbenzene	ND	5
1,1-Dichloroethene	<5	5
Trichloroethene	2,000	5
Benzene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5

Notes

(1) Results expressed as ug/l (ppb).
(2) Analysis performed according to method EPA 624.
(3) Analyst(s): AB,MLS; Date Test Completed: 12/16/95.
(4) Reported as the sum of cis and trans isomers.

Thomas A. McVicker
QA/QC Officer

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

APPENDIX B

FOURTH QUARTER 1995
ANALYTICAL DATA PACKAGES

Roy F. Weston, Inc.
208 Welsh Pool Road
Lionville, Pennsylvania 19341-1333
® 610-701-6100 • Fax 610-701-6140

MANAGERS DESIGNERS/CONSULTANTS

LIONVILLE LABORATORY ANALYTICAL REPORT

Client : BLACK AND DECKER
RFW# : 9511L112

W.O. #: 02501-004-001-9999-00
Date Received: 11-16-95

GC/MS VOLATILE

The set of samples consisted of twenty-four (24) water samples collected on 11-14,15-95.

The samples were analyzed according to criteria set forth in SW 846 Method 8240 for TCL Volatile target compounds on 11-22,25,26,27-95.

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 required holding time for analysis was met.

2. Non-target compounds were not detected in these samples.

3. The following samples required dilution because they contained high levels of target compounds:

Sample ID	Dilution Factor
RFW-4A	2.5
RFW-4B	2
RFW-10	50
RFW-10 DUP	50
RFW-12B	25

4. All surrogate recoveries were within EPA QC limits.

5. All matrix spike recoveries were within EPA QC limits.

6. All blank spike recoveries were within EPA QC limits.

7. The method blanks contained the common contaminants Methylene Chloride and/or Acetone at levels less than 3x the CRQL.

12.26.95
Date

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

001

sma/mmz/voa/11-112v.cn

WESTON
MANAGERS DESIGNERS/CONSULTANTS

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.

Roy F. Weston, Inc. - Lionville Laboratory

Volatiles by GC/MS, HSL List — Report Date: 12/21/95 11:24

RFW Batch Number: **9511L112** Client: **BLACK AND DECKER** Work Order: 02501004001 Page: 1a

004

	Cust ID:	RFW-1A	RFW-1A	RFW-1A	RFW-1B	RFW-1B-FB	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
Surrogate Recovery	Toluene-d8	100 %	106 %	99 %	96 %	106 %	99 %
	Bromofluorobenzene	101 %	100 %	96 %	95 %	100 %	101 %
	1,2-Dichloroethane-d4	98 %	102 %	98 %	91 %	102 %	101 %
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		2 JB	6 B	7 B	8 B	7 B	3 JB
Acetone		4 JB	10 U	4 JB	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	95 %	88 %	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	3 J	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		5 U	113 %	109 %	5 U	5 U	3 J
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	108 %	104 %	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.

RFW Batch Number: **9511L112** Client: **BLACK AND DECKER** Work Order: 02501004001 Page: 1b

Cust ID:	RFW-1A	RFW-1A	RFW-1A	RFW-1B	RFW-1B-FB	RFW-2A
RFW#:	001	001 MS	001 MSD	002	003	004
Toluene	5 U	118 %	113 %	5 U	5 U	5 U
Chlorobenzene	5 U	124 %	119 %	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

Roy F. Weston, Inc. - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 12/21/95 11:24

RFW Batch Number: **9511L112** Client: **BLACK AND DECKER** Work Order: 02501004001 Page: 2a

006

	Cust ID:	RFW-2B		RFW-4A		RFW-4B		RFW-6		RFW-7		RFW-9	
Sample Information	RFW#:	005		006		007		008		009		010	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		2.50		2.00		1.00		1.00		1.00	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
Surrogate Recovery	Toluene-d8	101	%	104	%	101	%	103	%	100	%	100	%
	Bromofluorobenzene	101	%	98	%	100	%	100	%	102	%	101	%
	1,2-Dichloroethane-d4	103	%	105	%	103	%	100	%	108	%	107	%
Chloromethane		10	U	25	U	20	U	10	U	10	U	10	U
Bromomethane		10	U	25	U	20	U	10	U	10	U	10	U
Vinyl Chloride		10	U	25	U	20	U	10	U	10	U	10	U
Chloroethane		10	U	25	U	20	U	10	U	10	U	10	U
Methylene Chloride		2	JB	23	B	19	B	6	B	5	U	4	JB
Acetone		10	U	25	U	20	U	8	JB	10	U	10	U
Carbon Disulfide		5	U	12	U	10	U	5	U	5	U	5	U
1,1-Dichloroethene		5	U	12	U	10	U	5	U	5	U	5	U
1,1-Dichloroethane		5	U	12	U	10	U	5	U	5	U	3	J
1,2-Dichloroethene (total)		5	U	7	J	9	J	8		2	J	8	
Chloroform		5	U	12	U	2	J	5	U	5	U	5	U
1,2-Dichloroethane		5	U	12	U	10	U	5	U	5	U	5	U
2-Butanone		10	U	25	U	20	U	10	U	10	U	10	U
1,1,1-Trichloroethane		1	J	12	U	10	U	5	U	5	U	2	J
Carbon Tetrachloride		5	U	12	U	10	U	5	U	5	U	5	U
Vinyl Acetate		10	U	25	U	20	U	10	U	10	U	10	U
Bromodichloromethane		5	U	12	U	10	U	5	U	5	U	5	U
1,2-Dichloropropane		5	U	12	U	10	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	12	U	10	U	5	U	5	U	5	U
Trichloroethene		5		220		190		56		13		43	
Dibromochloromethane		5	U	12	U	10	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5	U	12	U	10	U	5	U	5	U	5	U
Benzene		5	U	12	U	10	U	5	U	5	U	5	U
Trans-1,3-Dichloropropene		5	U	12	U	10	U	5	U	5	U	5	U
Bromoform		5	U	12	U	10	U	5	U	5	U	5	U
4-Methyl-2-pentanone		10	U	25	U	20	U	10	U	10	U	10	U
2-Hexanone		10	U	25	U	20	U	10	U	10	U	10	U
Tetrachloroethene		5	U	340		360		50		5	U	11	
1,1,2,2-Tetrachloroethane		5	U	12	U	10	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9511L112 Client: BLACK AND DECKER Work Order: 02501004001 Page: 2b

Cust ID:	RFW-2B	RFW-4A	RFW-4B	RFW-6	RFW-7	RFW-9
RFW#:	005	006	007	008	009	010
Toluene	5 U	12 U	10 U	5 U	5 U	5 U
Chlorobenzene	5 U	12 U	10 U	5 U	5 U	5 U
Ethylbenzene	5 U	12 U	10 U	5 U	5 U	5 U
Styrene	5 U	12 U	10 U	5 U	5 U	5 U
Xylene (total)	5 U	12 U	10 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

007

Roy F. Weston, Inc. - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 12/21/95 11:24

RFW Batch Number: **9511L112** Client: **BLACK AND DECKER** Work Order: 02501004001 Page: 3a

800

	Cust ID:	RFW-10		RFW-11A		RFW-11B		RFW-12B		RFW-13		RFW-17	
Sample Information	RFW#:	011		012		013		014		015		016	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	50.0		1.00		1.00		25.0		1.00		1.00	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
Surrogate Recovery	Toluene-d8	104	%	99	%	98	%	101	%	98	%	100	%
	Bromofluorobenzene	101	%	100	%	102	%	98	%	98	%	101	%
	1,2-Dichloroethane-d4	97	%	102	%	99	%	93	%	102	%	102	%
Chloromethane		500	U	10	U	10	U	250	U	10	U	10	U
Bromomethane		500	U	10	U	10	U	250	U	10	U	10	U
Vinyl Chloride		500	U	10	U	10	U	250	U	10	U	10	U
Chloroethane		500	U	10	U	10	U	250	U	10	U	10	U
Methylene Chloride		440	B	4	JB	1	JB	190	B	3	JB	2	JB
Acetone		500	U	10	U	10	U	210	JB	10	U	10	U
Carbon Disulfide		250	U	5	U	5	U	120	U	5	U	5	U
1,1-Dichloroethene		250	U	5	U	5	U	120	U	5	U	5	U
1,1-Dichloroethane		250	U	5	U	5	U	120	U	5	U	5	U
1,2-Dichloroethene (total)		250	U	5	U	5	U	120	U	5	U	5	U
Chloroform		250	U	5	U	5	U	120	U	5	U	5	U
1,2-Dichloroethane		250	U	5	U	5	U	120	U	5	U	5	U
2-Butanone		500	U	10	U	10	U	250	U	10	U	10	U
1,1,1-Trichloroethane		67	J	5	U	5	U	120	U	5	U	5	U
Carbon Tetrachloride		250	U	5	U	5	U	120	U	5	U	5	U
Vinyl Acetate		500	U	10	U	10	U	250	U	10	U	10	U
Bromodichloromethane		250	U	5	U	5	U	120	U	5	U	5	U
1,2-Dichloropropane		250	U	5	U	5	U	120	U	5	U	5	U
cis-1,3-Dichloropropene		250	U	5	U	5	U	120	U	5	U	5	U
Trichloroethene		5300		77		57		4200		8		5	U
Dibromochloromethane		250	U	5	U	5	U	120	U	5	U	5	U
1,1,2-Trichloroethane		250	U	5	U	5	U	120	U	5	U	5	U
Benzene		250	U	5	U	5	U	120	U	5	U	5	U
Trans-1,3-Dichloropropene		250	U	5	U	5	U	120	U	5	U	5	U
Bromoform		250	U	5	U	5	U	120	U	5	U	5	U
4-Methyl-2-pentanone		500	U	10	U	10	U	250	U	10	U	10	U
2-Hexanone		500	U	10	U	10	U	250	U	10	U	10	U
Tetrachloroethene		150	J	1	J	5	U	87	J	64		5	U
1,1,2,2-Tetrachloroethane		250	U	5	U	5	U	120	U	5	U	5	U

*= Outside of EPA CLP QC limits.

RFW Batch Number: **9511L112** Client: **BLACK AND DECKER** Work Order: 02501004001 Page: 3b

Cust ID:	RFW-10	RFW-11A	RFW-11B	RFW-12B	RFW-13	RFW-17
RFW#:	011	012	013	014	015	016
Toluene	250 U	5 U	5 U	120 U	5 U	5 U
Chlorobenzene	250 U	5 U	5 U	120 U	5 U	5 U
Ethylbenzene	250 U	5 U	5 U	120 U	5 U	5 U
Styrene	250 U	5 U	5 U	120 U	5 U	5 U
Xylene (total)	250 U	5 U	5 U	120 U	5 U	5 U

*= Outside of EPA CLP QC limits.

600

Roy F. Weston, Inc. - Lionville Laboratory

Volatiles by GC/MS, HSL List — Report Date: 12/21/95 11:24

RFW Batch Number: **9511L112** Client: **BLACK AND DECKER** Work Order: 02501004001 Page: 4a

010

	Cust ID:	RFW-18		RFW-19		TRIP BLANK		RFW-10 DUP		HAMP-22		HAMP-23	
Sample	RFW#:	017		018		019		020		021		022	
Information	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		50.0		1.00		1.00	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
	Toluene-d8	97	%	102	%	98	%	103	%	106	%	102	%
Surrogate	Bromofluorobenzene	101	%	104	%	100	%	102	%	97	%	97	%
Recovery	1,2-Dichloroethane-d4	103	%	103	%	102	%	97	%	100	%	98	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	10	U	10	U	500	U	10	U	10	U
Bromomethane		10	U	10	U	10	U	500	U	10	U	10	U
Vinyl Chloride		10	U	10	U	10	U	500	U	10	U	10	U
Chloroethane		10	U	10	U	10	U	500	U	10	U	10	U
Methylene Chloride		3	JB	5	B	4	JB	390	B	7	B	7	B
Acetone		10	U	10	U	10	U	500	U	10	U	10	U
Carbon Disulfide		5	U	5	U	5	U	250	U	5	U	5	U
1,1-Dichloroethene		5	U	5	U	5	U	250	U	5	U	5	U
1,1-Dichloroethane		5	U	5	U	5	U	250	U	5	U	5	U
1,2-Dichloroethene (total)		5	U	5	U	5	U	250	U	5	U	5	U
Chloroform		5	U	5	U	5	U	250	U	5	U	5	U
1,2-Dichloroethane		5	U	5	U	5	U	250	U	5	U	5	U
2-Butanone		10	U	10	U	10	U	500	U	10	U	10	U
1,1,1-Trichloroethane		5	U	5	U	5	U	88	J	5	U	5	U
Carbon Tetrachloride		5	U	5	U	5	U	250	U	5	U	5	U
Vinyl Acetate		10	U	10	U	10	U	500	U	10	U	10	U
Bromodichloromethane		5	U	5	U	5	U	250	U	5	U	5	U
1,2-Dichloropropane		5	U	5	U	5	U	250	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	5	U	5	U	250	U	5	U	5	U
Trichloroethene		5	U	5	U	5	U	7100		5	U	5	U
Dibromochloromethane		5	U	5	U	5	U	250	U	5	U	5	U
1,1,2-Trichloroethane		5	U	5	U	5	U	250	U	5	U	5	U
Benzene		5	U	5	U	5	U	250	U	5	U	5	U
Trans-1,3-Dichloropropene		5	U	5	U	5	U	250	U	5	U	5	U
Bromoform		5	U	5	U	5	U	250	U	5	U	5	U
4-Methyl-2-pentanone		10	U	10	U	10	U	500	U	10	U	10	U
2-Hexanone		10	U	10	U	10	U	500	U	10	U	10	U
Tetrachloroethene		5	U	5	U	5	U	190	J	5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	5	U	250	U	5	U	5	U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9511L112 Client: BLACK AND DECKER Work Order: 02501004001 Page: 4b

Cust ID:	RFW-18	RFW-19	TRIP BLANK	RFW-10 DUP	HAMP-22	HAMP-23
RFW#:	017	018	019	020	021	022
Toluene	5 U	5 U	5 U	250 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	250 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	250 U	5 U	5 U
Styrene	5 U	5 U	5 U	250 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	250 U	5 U	5 U

*= Outside of EPA CLP QC limits.

011

Roy F. Weston, Inc. - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 12/21/95 11:24

RFW Batch Number: **9511L112** Client: **BLACK AND DECKER** Work Order: 02501004001 Page: 5a

012

	Cust ID:	LEISTER-1	LEISTER-DAIRY	VBLKJR	VBLKJR BS	VBLKJS	VBLKJQ
Sample Information	RFW#:	023	024	95LVW253-MB1	95LVW253-MB1	95LVK262-MB1	95LVW252-MB1
	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	104 %	101 %	101 %	101 %	103 %	98 %
	Bromofluorobenzene	95 %	95 %	91 %	91 %	101 %	103 %
	1,2-Dichloroethane-d4	102 %	103 %	103 %	98 %	100 %	100 %
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		6 B	6 B	2 J	8 B	10	5
Acetone		10 U	10 U	3 J	10 U	10 U	4 J
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	5 U	5 U	89 %	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	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		5 U	5 U	5 U	108 %	5 U	5 U
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	104 %	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	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.

Cust ID:	LEISTER-1	LEISTER-DAIRY	VBLKJR	VBLKJR BS	VBLKJS	VBLKJQ
RFW#:	023	024	95LVW253-MB1	95LVW253-MB1	95LVK262-MB1	95LVW252-MB1
Toluene	5 U	5 U	5 U	112 %	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	119 %	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.

013

014

Cust ID: VBLKFZ

Sample Information
RFW#: 95LVK264-MB1
Matrix: WATER
D.F.: 1.00
Units: UG/L

Surrogate Recovery	Toluene-d8	104	%
	Bromofluorobenzene	103	%
	1,2-Dichloroethane-d4	96	%

Chloromethane	10	U
Bromomethane	10	U
Vinyl Chloride	10	U
Chloroethane	10	U
Methylene Chloride	6	
Acetone	7	J
Carbon Disulfide	5	U
1,1-Dichloroethene	5	U
1,1-Dichloroethane	5	U
1,2-Dichloroethene (total)	5	U
Chloroform	5	U
1,2-Dichloroethane	5	U
2-Butanone	10	U
1,1,1-Trichloroethane	5	U
Carbon Tetrachloride	5	U
Vinyl Acetate	10	U
Bromodichloromethane	5	U
1,2-Dichloropropane	5	U
cis-1,3-Dichloropropene	5	U
Trichloroethene	5	U
Dibromochloromethane	5	U
1,1,2-Trichloroethane	5	U
Benzene	5	U
Trans-1,3-Dichloropropene	5	U
Bromoform	5	U
4-Methyl-2-pentanone	10	U
2-Hexanone	10	U
Tetrachloroethene	5	U
1,1,2,2-Tetrachloroethane	5	U

*= Outside of EPA CLP QC limits.

RFW#: 95LVK264-MB1

Toluene	5	U
Chlorobenzene	5	U
Ethylbenzene	5	U
Styrene	5	U
Xylene (total)	5	U

*= Outside of EPA CLP QC limits.

Roy F. Weston, Inc. - Lionville Laboratory
VOA ANALYTICAL DATA PACKAGE FOR
BLACK AND DECKER

DATE RECEIVED: 11/16/95 RFW LOT # :9511L112

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
RFW-1A	001	W	95LVW253	11/14/95	N/A	11/22/95
RFW-1A	001 MS	W	95LVW253	11/14/95	N/A	11/25/95
RFW-1A	001 MSD	W	95LVW253	11/14/95	N/A	11/25/95
RFW-1B	002	W	95LVK262	11/15/95	N/A	11/26/95
RFW-1B-FB	003	W	95LVW253	11/15/95	N/A	11/25/95
RFW-2A	004	W	95LVW252	11/14/95	N/A	11/22/95
RFW-2B	005	W	95LVW252	11/14/95	N/A	11/22/95
RFW-4A	006	W	95LVW253	11/15/95	N/A	11/25/95
RFW-4B	007	W	95LVW253	11/15/95	N/A	11/25/95
RFW-6	008	W	95LVW253	11/15/95	N/A	11/25/95
RFW-7	009	W	95LVW252	11/14/95	N/A	11/22/95
RFW-9	010	W	95LVW252	11/15/95	N/A	11/22/95
RFW-10	011	W	95LVK262	11/15/95	N/A	11/26/95
RFW-11A	012	W	95LVW252	11/15/95	N/A	11/22/95
RFW-11B	013	W	95LVW252	11/15/95	N/A	11/22/95
RFW-12B	014	W	95LVK264	11/15/95	N/A	11/27/95
RFW-13	015	W	95LVW252	11/15/95	N/A	11/22/95
RFW-17	016	W	95LVW252	11/14/95	N/A	11/22/95
RFW-18	017	W	95LVW252	11/14/95	N/A	11/22/95
RFW-19	018	W	95LVW252	11/14/95	N/A	11/22/95
TRIP BLANK	019	W	95LVW252	11/14/95	N/A	11/22/95
RFW-10 DUP	020	W	95LVK262	11/15/95	N/A	11/26/95
HAMP-22	021	W	95LVW253	11/15/95	N/A	11/25/95
HAMP-23	022	W	95LVW253	11/15/95	N/A	11/25/95
LEISTER-1	023	W	95LVW253	11/15/95	N/A	11/25/95
LEISTER-DAIRY	024	W	95LVW253	11/15/95	N/A	11/25/95

LAB QC:

VBLKJR	MB1	W	95LVW253	N/A	N/A	11/25/95
VBLKJR	MB1 BS	W	95LVW253	N/A	N/A	11/25/95
VBLKJS	MB1	W	95LVK262	N/A	N/A	11/26/95
VBLKJQ	MB1	W	95LVW252	N/A	N/A	11/22/95
VBLKFZ	MB1	W	95LVK264	N/A	N/A	11/27/95

WESTON Analytics Use Only
951412

Custody Transfer Record/Lab Work Request

WESTON

017

Client ~~B+D Conf~~ BLACK & DECKER
Est. Final Proj. Sampling Date
Work Order # 02501-004-001-9999-00
Project Contact/Phone # Chris Harris X 2203
AD Project Manager DIANA Saggese
QC JT Del JT TAT 30 Days
Date Rec'd 11/16/95 Date Due 12/16/95
Account # Black & Deck

Refrigerator #		1
#/Type Container	Liquid	26
	Solid	
Volume	Liquid	40ml
	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	VOA (0624H)	BNA	Pest/PCB	Herb	Metal	CN
001	RFW-1A			W	11/14/95	1520	✓					
002	RFW-1B				11/15/95	1345	✓					
003	RFW-1B-FD					1340	✓					
004	RFW-2A				11/14/95	1205	✓					
005	RFW-2B					1235	✓					
006	RFW-4A				11/15/95	1520	✓					
007	RFW-4B					1515	✓					
008	RFW-6					1130	✓					
009	RFW-7				11/14	1455	✓					
010	RFW-9				11/15	1445	✓					

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

DATE/REVISIONS:
1. Rec'd 3 TRIP BLANKS.
2. no time of date collected on the
3. used 11/14/95 until otherwise
4. notified.
5. samples collected in the year of 1995
6. 021, 022 client ID's on

Temp = 8.6°

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
D. Glass	D Mull	11/16/95	945				

Discrepancies Between Samples Labels and COC Record? Y or (N)
NOTES: Rec in Kuzendirfield

WESTON Analytics Use Only

Samples were:
1) Shipped __ or Hand Delivered Y
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

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# 3033 Cooler# 457 381-596a

label reads HAMP-22
Hamp-22

WESTON Analytics Use Only
951412

Custody Transfer Record/Lab Work Request

WESTON

018

Client ~~B&D (conf)~~ BLACK & DECKER
Est. Final Proj. Sampling Date
Work Order # 2501-04-01
Project Contact/Phone # Chris Harris X7203
AD Project Manager Diane Sagges
QC Del TAT
Date Rec'd 11/16/95 Date Due
Account #

Refrigerator #		1
#/Type Container	Liquid	3G
	Solid	
Volume	Liquid	40ml
	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	0624H
011	RFW-10			W	11/15	1420	✓
012	RFW-11A					1335	✓
013	RFW-11B					1330	✓
014	RFW-12B					1500	✓
015	RFW-13					1320	✓
016	RFW-17				11/14	1115	✓
017	RFW-18					1100	✓
018	RFW-19					1040	✓
019	Trip Blank						✓
020	RFW-10 Dup				11/15	1420	✓

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

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

WESTON Analytics 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

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[signature]	D. McCord	11/16/95	925				

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ________ Cooler# ________ 381-596a

WESTON Analytics Use Only
G511L112

Custody Transfer Record/Lab Work Request

WESTON

Page 3 of 3

019

Client ~~B+D (cont)~~ BLACK&DECKER
Est. Final Proj. Sampling Date
Work Order # 2301-004-001
Project Contact/Phone # Chris Harris X7703
AD Project Manager DIANA Skaggs
QC Del TAT
Date Rec'd 11/16/95 Date Due
Account #

Refrigerator #		
#/Type Container	Liquid	2 eg
	Solid	
Volume	Liquid	40ml
	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	MS	MSD	Matrix	Date Collected	Time Collected	VOA (WESTON Analytics Use Only: 06-24 A)
	HAMP-22						
021	~~Town-22~~			W	11/15/95	1340	✓
022	~~Town-23~~ HAMP-23			↓	↓	1330	✓
023	Leister-1			↓	↓	1110	✓
024	Leister-Dairy			↓	↓	1100	✓

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

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

WESTON Analytics 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 Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[signature]	P Mozie	11/16/95	745				

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ______ Cooler# ______ 381-596a

Roy F. Weston, Inc.
208 Welsh Pool Road
Lionville, Pennsylvania 19341-1333
® 610-701-6100 • Fax 610-701-6140

MANAGERS DESIGNERS/CONSULTANTS

LIONVILLE LABORATORY ANALYTICAL REPORT

Client : BLACK AND DECKER
RFW# : 9511L113

W.O. #: 02501-004-001-9999-00
Date Received: 11-16-95

GC/MS VOLATILE

The set of samples consisted of ten (10) water samples collected on 11-13,14,15-95.

The samples were analyzed according to criteria set forth in SW 846 Method 8240 for TCL Volatile target compounds on 11-25,26,27-95.

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 required holding time for analysis was met.

2. Non-target compounds were detected in samples EW-7 and EW-8.

3. The following samples required dilution because they contained high levels of target compounds:

Sample ID	Dilution Factor
EW-2	50
EW-3	10
EW-4	25
EW-5	50
EW-5 DUP	50
EW-9	10
EW-10	2

4. All surrogate recoveries were within EPA QC limits.

5. Matrix spike analyses are associated with RFW lot 9511L112.

6. All blank spike recoveries were within EPA QC limits.

7. The method blanks contained the common contaminants Methylene Chloride and/or Acetone at levels less than 3x the CRQL.

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

12.21.95
Date

001

sma/mmz/voa/11-113v.cn

WESTON
MANAGERS DESIGNERS CONSULTANTS

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.

Roy F. Weston, Inc. - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 12/20/95 19:40

RFW Batch Number: 9511L113 Client: BLACK AND DECKER Work Order: 02501004001 Page: 1a

004

	Cust ID:	EW-2	EW-3	EW-4	EW-5	EW-5 DUP	EW-6
Sample Information	RFW#:	001	002	003	004	005	006
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	50.0	10.0	25.0	50.0	50.0	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Toluene-d8	100 %	108 %	101 %	102 %	100 %	102 %
	Bromofluorobenzene	99 %	111 %	100 %	103 %	100 %	104 %
	1,2-Dichloroethane-d4	97 %	110 %	100 %	99 %	108 %	112 %
Chloromethane		500 U	100 U	250 U	500 U	500 U	10 U
Bromomethane		500 U	100 U	250 U	500 U	500 U	10 U
Vinyl Chloride		500 U	100 U	250 U	500 U	500 U	10 U
Chloroethane		500 U	100 U	250 U	500 U	500 U	10 U
Methylene Chloride		380 B	100 B	180 B	390 B	470 B	3 JB
Acetone		500 U	100 U	250 U	500 U	500 U	10 U
Carbon Disulfide		250 U	50 U	120 U	250 U	250 U	4 J
1,1-Dichloroethene		250 U	50 U	120 U	250 U	250 U	5 U
1,1-Dichloroethane		250 U	50 U	120 U	250 U	250 U	5 U
1,2-Dichloroethene (total)		250 U	50 U	120 U	250 U	250 U	3
Chloroform		250 U	50 U	120 U	250 U	250 U	5 U
1,2-Dichloroethane		250 U	50 U	120 U	250 U	250 U	5 U
2-Butanone		500 U	100 U	250 U	500 U	500 U	10 U
1,1,1-Trichloroethane		250 U	50 U	120 U	150 J	130 J	5 U
Carbon Tetrachloride		250 U	50 U	120 U	250 U	250 U	5 U
Vinyl Acetate		500 U	100 U	250 U	500 U	500 U	10 U
Bromodichloromethane		250 U	50 U	120 U	250 U	250 U	5 U
1,2-Dichloropropane		250 U	50 U	120 U	250 U	250 U	5 U
cis-1,3-Dichloropropene		250 U	50 U	120 U	250 U	250 U	5 U
Trichloroethene		5300	1800	3700	5100	5000	19
Dibromochloromethane		250 U	50 U	120 U	250 U	250 U	5 U
1,1,2-Trichloroethane		250 U	50 U	120 U	250 U	250 U	5 U
Benzene		250 U	50 U	120 U	250 U	250 U	5 U
Trans-1,3-Dichloropropene		250 U	50 U	120 U	250 U	250 U	5 U
Bromoform		250 U	50 U	120 U	250 U	250 U	5 U
4-Methyl-2-pentanone		500 U	100 U	250 U	500 U	500 U	10 U
2-Hexanone		500 U	100 U	250 U	500 U	500 U	10 U
Tetrachloroethene		130 J	32 J	90 J	140 J	120 J	100
1,1,2,2-Tetrachloroethane		250 U	50 U	120 U	250 U	250 U	5 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9511L113 Client: BLACK AND DECKER Work Order: 02501004001 Page: 1b

Cust ID:	EW-2	EW-3	EW-4	EW-5	EW-5 DUP	EW-6
RFW#:	001	002	003	004	005	006
Toluene	250 U	50 U	120 U	250 U	250 U	5 U
Chlorobenzene	250 U	50 U	120 U	250 U	250 U	5 U
Ethylbenzene	250 U	50 U	120 U	250 U	250 U	5 U
Styrene	250 U	50 U	120 U	250 U	250 U	5 U
Xylene (total)	250 U	50 U	120 U	250 U	250 U	5 U

*= Outside of EPA CLP QC limits.

005

900

	Cust ID:	EW-7		EW-8		EW-9		EW-10		VBLKJS		VBLKFZ	
Sample	RFW#:	007		008		009		010		95LVK262-MB1		95LVK264-MB1	
Information	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		10.0		2.00		1.00		1.00	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
	Toluene-d8	102	%	102	%	102	%	107	%	103	%	104	%
Surrogate	Bromofluorobenzene	101	%	100	%	100	%	107	%	101	%	103	%
Recovery	1,2-Dichloroethane-d4	110	%	109	%	105	%	101	%	100	%	96	%
		fl		fl		fl		fl		fl		fl	
Chloromethane		10	U	10	U	100	U	20	U	10	U	10	U
Bromomethane		10	U	10	U	100	U	20	U	10	U	10	U
Vinyl Chloride		10	U	10	U	100	U	20	U	10	U	10	U
Chloroethane		10	U	10	U	100	U	20	U	10	U	10	U
Methylene Chloride		5	U	7	B	87	B	20	B	10		6	
Acetone		10	U	10	U	100	U	20	U	10	U	7	J
Carbon Disulfide		5	U	5	U	50	U	10	U	5	U	5	U
1,1-Dichloroethene		2	J	5	U	50	U	10	U	5	U	5	U
1,1-Dichloroethane		2	J	5	U	50	U	10	U	5	U	5	U
1,2-Dichloroethene (total)		18		34		50	U	10	U	5	U	5	U
Chloroform		5	U	5	U	50	U	10	U	5	U	5	U
1,2-Dichloroethane		5	U	5	U	50	U	10	U	5	U	5	U
2-Butanone		10	U	10	U	100	U	20	U	10	U	10	U
1,1,1-Trichloroethane		3	J	5	U	50	U	10	U	5	U	5	U
Carbon Tetrachloride		5	U	5	U	50	U	10	U	5	U	5	U
Vinyl Acetate		10	U	10	U	100	U	20	U	10	U	10	U
Bromodichloromethane		5	U	5	U	50	U	10	U	5	U	5	U
1,2-Dichloropropane		5	U	5	U	50	U	10	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	5	U	50	U	10	U	5	U	5	U
Trichloroethene		29		22		17	J	3	J	5	U	5	U
Dibromochloromethane		5	U	5	U	50	U	10	U	5	U	5	U
1,1,2-Trichloroethane		5	U	5	U	50	U	10	U	5	U	5	U
Benzene		5	U	5	U	50	U	10	U	5	U	5	U
Trans-1,3-Dichloropropene		5	U	5	U	50	U	10	U	5	U	5	U
Bromoform		5	U	5	U	50	U	10	U	5	U	5	U
4-Methyl-2-pentanone		10	U	10	U	100	U	20	U	10	U	10	U
2-Hexanone		10	U	10	U	100	U	20	U	10	U	10	U
Tetrachloroethene		74		200		1100		250		5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	50	U	10	U	5	U	5	U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9511L113 Client: BLACK AND DECKER Work Order: 02501004001 Page: 2b

Cust ID:	EW-7	EW-8	EW-9	EW-10	VBLKJS	VBLKFZ
RFW#:	007	008	009	010	95LVK262-MB1	95LVK264-MB1
Toluene	5 U	5 U	50 U	10 U	5 U	5 U
Chlorobenzene	5 U	5 U	50 U	10 U	5 U	5 U
Ethylbenzene	5 U	5 U	50 U	10 U	5 U	5 U
Styrene	5 U	5 U	50 U	10 U	5 U	5 U
Xylene (total)	5 U	5 U	50 U	10 U	5 U	5 U

*= Outside of EPA CLP QC limits.

008

		Cust ID:	VBLKHK		VBLKHK BS	
Sample Information		RFW#:	95LVK261-MB1		95LVK261-MB1	
		Matrix:	WATER		WATER	
		D.F.:	1.00		1.00	
		Units:	UG/L		UG/L	
	Toluene-d8		105	%	101	%
Surrogate	Bromofluorobenzene		104	%	102	%
Surrogate	Bromofluorobenzene		104	%	102	%
Recovery	1,2-Dichloroethane-d4		100	%	106	%
Chloromethane			10	U	10	U
Bromomethane			10	U	10	U
Vinyl Chloride			10	U	10	U
Chloroethane			10	U	10	U
Methylene Chloride			1	J	6	B
Acetone			3	J	10	U
Carbon Disulfide			5	U	5	U
1,1-Dichloroethene			5	U	92	%
1,1-Dichloroethane			5	U	5	U
1,2-Dichloroethene (total)			5	U	5	U
Chloroform			5	U	5	U
1,2-Dichloroethane			5	U	5	U
2-Butanone			10	U	10	U
1,1,1-Trichloroethane			5	U	5	U
Carbon Tetrachloride			5	U	5	U
Vinyl Acetate			10	U	10	U
Bromodichloromethane			5	U	5	U
1,2-Dichloropropane			5	U	5	U
cis-1,3-Dichloropropene			5	U	5	U
Trichloroethene			5	U	104	%
Dibromochloromethane			5	U	5	U
1,1,2-Trichloroethane			5	U	5	U
Benzene			5	U	107	%
Trans-1,3-Dichloropropene			5	U	5	U
Bromoform			5	U	5	U
4-Methyl-2-pentanone			10	U	10	U
2-Hexanone			10	U	10	U
Tetrachloroethene			5	U	5	U
1,1,2,2-Tetrachloroethane			5	U	5	U

	Cust ID: VBLKHK		VBLKHK BS	
	RFW#: 95LVK261-MB1		95LVK261-MB1	
Toluene	5	U	107	%
Chlorobenzene	5	U	111	%
Ethylbenzene	5	U	5	U
Styrene	5	U	5	U
Xylene (total)	5	U	5	U

*= Outside of EPA CLP QC limits.

600

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-2

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-001

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

Lab File ID: KBQ15

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/26/95

Column: (pack/cap) CAP

Dilution Factor: 50.0

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-3

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-002

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

Lab File ID: KBQ14

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/26/95

Column: (pack/cap) CAP

Dilution Factor: 10.0

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-4

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-003

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

Lab File ID: KBR05

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/27/95

Column: (pack/cap) CAP

Dilution Factor: 25.0

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-5

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-004

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

Lab File ID: KBQ16

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/26/95

Column: (pack/cap) CAP

Dilution Factor: 50.0

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-5 DUP

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-005

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

Lab File ID: KBP20

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/25/95

Column: (pack/cap) CAP

Dilution Factor: 50.0

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-6

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-006

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

Lab File ID: KBP14

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/25/95

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-7

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-007

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

Lab File ID: KBP15

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/25/95

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-69-4	TRICHLOROFLUOROMETHANE	2.19	20	JN

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-8

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-008

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

Lab File ID: KBP16

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/25/95

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-69-4	TRICHLOROFLUOROMETHANE	2.19	9	JN

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-9

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-009

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

Lab File ID: KBP17

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/25/95

Column: (pack/cap) CAP

Dilution Factor: 10.0

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-10

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 9511L113-010

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

Lab File ID: KBQ13

Level: (low/med) LOW

Date Received: 11/16/95

% Moisture: not dec. _____

Date Analyzed: 11/26/95

Column: (pack/cap) CAP

Dilution Factor: 2.00

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKJS

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 95LVK262-MB1

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

Lab File ID: KBQ08

Level: (low/med) LOW

Date Received: 11/26/95

% Moisture: not dec. _____

Date Analyzed: 11/26/95

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKFZ

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 95LVK264-MB1

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

Lab File ID: KBR03

Level: (low/med) LOW

Date Received: 11/27/95

% Moisture: not dec. _____

Date Analyzed: 11/27/95

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKHK

Lab Name: Roy F. Weston, Inc. Work Order: 02501004001

Client: BLACK AND DECKER

Matrix: WATER

Lab Sample ID: 95LVK261-MB1

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

Lab File ID: KBP04

Level: (low/med) LOW

Date Received: 11/25/95

% Moisture: not dec. _____

Date Analyzed: 11/25/95

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

Roy F. Weston, Inc. - Lionville Laboratory
VOA ANALYTICAL DATA PACKAGE FOR
BLACK AND DECKER

DATE RECEIVED: 11/16/95 RFW LOT # :9511L113

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
EW-2	001	W	95LVK262	11/15/95	N/A	11/26/95
EW-3	002	W	95LVK262	11/15/95	N/A	11/26/95
EW-4	003	W	95LVK264	11/14/95	N/A	11/27/95
EW-5	004	W	95LVK262	11/14/95	N/A	11/26/95
EW-5 DUP	005	W	95LVK261	11/14/95	N/A	11/25/95
EW-6	006	W	95LVK261	11/13/95	N/A	11/25/95
EW-7	007	W	95LVK261	11/13/95	N/A	11/25/95
EW-8	008	W	95LVK261	11/13/95	N/A	11/25/95
EW-9	009	W	95LVK261	11/13/95	N/A	11/25/95
EW-10	010	W	95LVK262	11/13/95	N/A	11/26/95
LAB QC:						
VBLKJS	MB1	W	95LVK262	N/A	N/A	11/26/95
VBLKFZ	MB1	W	95LVK264	N/A	N/A	11/27/95
VBLKHK	MB1	W	95LVK261	N/A	N/A	11/25/95
VBLKHK	MB1 BS	W	95LVK261	N/A	N/A	11/25/95

WESTON Analytics Use Only
9511L113

11/14/95

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

024

Client ~~B&D (Weston)~~ for Black+Decker
Est. Final Proj. Sampling Date
Work Order ~~02501-04-01~~ 02501-004-001-9999-00 DM 11/14
Project Contact/Phone # Chris Harris X7203
AD Project Manager Diana Saggese
QC STD Del STD TAT 30 Day
Date Rec'd 11/16/95 Date Due 12/16/95
Account # BLACK & DECK

Refrigerator #		1																		
#/Type Container	Liquid	2																		
	Solid																			
Volume	Liquid	40ml																		
	Solid																			
Preservatives		HCl																		
ANALYSES REQUESTED →		ORGANIC						INORG												
		VOA	BNA	Pest/PCB	Herb			Metal	CN											

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	8260 (624 H)
001	EW-2			W	11/15/95	850	✓
002	EW-3					900	✓
003	EW-4				11/14/95	1610	✓
004	EW-5				11/14/95	1600	✓
005	EW-5 Dup					1600	✓
006	EW-6				11/13/95 ~~11/14/95~~	1345	✓
007	EW-7					1355	✓
008	EW-8					1405	✓
009	EW-9					1415	✓
010	EW-10					1420	✓

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

Temp=86°

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

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered X
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 Labels and COC Record? Y or (N) DM 11/16/95
NOTES: Time collected for #006-010 none 11/13/95 per client it's 11/13/95. 11/14/95

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[signature]	DMoore	11/14/95	945				

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# 3033 Cooler# 937 381-596a