

QUARTERLY GROUNDWATER MONITORING REPORT

Prepared for

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

October 1998

Prepared by

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SECTION 1
INTRODUCTION

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

SECTION 2
SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of July through September 1998.

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

Monthly water levels for wells included in the water level monitoring plan are presented in Table 2-2. At the time the water level measurements were collected, the extraction wells were pumping at an average combined rate of approximately 158 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 July through September 1998 are Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July through September 1998, approximately 157 pounds of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and

treatment system. In general, the total VOCs removed from the groundwater were comprised primarily of trichloroethene (TCE) (79 %) and tetrachlorethene (PCE) (21 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July through September 1998 are included in Appendix C.

A summary of the analytical results from the third quarter (August 1998) groundwater sampling round of the extraction and monitor wells is included in Table 2-4. The complete analytical data package is included in Appendix D. As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentration of TCE was detected in the groundwater samples collected from wells RFW-12B and EW-2 and the highest concentration of PCE was detected in the groundwater sample collected from extraction well EW-9. VOCs detected at lower concentrations were 1,2-dichloroethene and 1,1,1-trichloroethane. The remainder of VOCs present were detected at levels well below the Federal Maximum Contaminant Levels (MCL).

Table 2-1
Treatment System Pumping Records - 3rd Quarter 1998
Black & Decker
Hampstead, Maryland

Date	Water pumped (gallons)
Jul-98	7,189,264
Aug-98	7,302,213
Sep-98	6,834,425

Table 2-2
Groundwater Elevation Data - 3rd Quarter 1998
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	07/23/98		08/18/98		09/24/98	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--
EW-2	849.21	110	80.19	769.02	80.74	768.47	81.11	768.10
EW-3	846.64	118	86.33	760.31	87.36	759.28	87.67	758.97
EW-4	858.01	97.5	87.42	770.59	88.43	769.58	88.94	769.07
EW-5	864.17	98	83.11	781.06	87.94	776.23	88.31	775.86
EW-6	831.98	115	57.12	774.86	59.12	772.86	60.41	771.57
EW-7	818.38	78	31.46	786.92	37.44	780.94	38.74	779.64
EW-8	811.13	98	73.11	738.02	74.21	736.92	74.94	736.19
EW-9	811.35	141	75.67	735.68	74.58	736.77	74.63	736.72
EW-10	807.74	NA	48.01	759.73	45.99	761.75	46.51	761.23
RFW-1A	864.37	78	47.51	816.86	49.29	815.08	50.11	814.26
RFW-1B	864.23	200	47.52	816.71	49.33	814.90	50.10	814.13
RFW-2A	857.41	35	12.45	844.96	14.77	842.64	14.43	842.98
RFW-2B	857.73	75	13.12	844.61	15.41	842.32	15.02	842.71
RFW-3B	839.21	153	26.86	812.35	26.77	812.44	27.23	811.98
RFW-4A	830.37	62	35.06	795.31	34.86	795.51	35.21	795.16
RFW-4B	830.37	120	34.98	795.39	34.81	795.56	35.17	795.20
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	2.43	782.61	3.14	781.90	2.78	782.26
RFW-7	805.14	29	6.86	798.28	6.83	798.31	6.47	798.67
RFW-8	860.07	56	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	24.12	837.90	24.11	837.91	24.43	837.59
RFW-10	852.06	58	57.16	794.90	57.31	--	58.09	793.97
RFW-11A	849.32	72	67.79	781.53	67.78	781.54	67.88	781.44
RFW-11B	849.62	116	75.85	773.77	75.88	773.74	75.94	773.68
RFW-12B	844.87	264	52.81	792.06	52.43	792.44	52.53	792.34
RFW-13	849.11	150	58.21	790.90	59.11	790.00	59.34	789.77
RFW-14B	812.39	281	38.09	774.30	38.20	774.19	38.31	774.08
RFW-16	856.14	41	37.91	818.23	38.23	817.91	38.74	817.40
RFW-17	834.66	60.5	25.11	809.55	25.08	809.58	25.17	809.49
RFW-18	843.67	50	5.74	837.93	6.36	837.31	6.46	837.21
RFW-19	858.28	60	3.81	854.47	3.22	855.06	3.30	854.98
RFW-20	842.49	142	32.67	809.82	32.84	809.65	33.16	809.33
RFW-21	832.65	102	19.73	812.92	19.22	813.43	19.42	813.23
PH-7	805.94	89	28.11	777.83	28.00	777.94	28.08	777.86
PH-9	814.94	98	30.87	784.07	31.09	783.85	31.13	783.81
PH-11	820.68	78	37.94	782.74	38.59	782.09	38.48	782.20
PH-12	828.35	87	40.61	787.74	41.17	787.18	41.42	786.93
B-2	807.68	100	5.94	801.74	5.81	801.87	5.87	801.81
B-3	803.02	83	7.31	795.71	6.94	796.08	7.01	796.01
Amoco	842.29	NA	21.22	821.07	21.40	820.89	21.63	820.66
Hamp. Town #22	804.96	NA	0.94	--	0.69	--	0.78	--
Pembroke #1	NA	NA	10.43	--	10.11	--	10.87	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	NA	--	NA	--	NA	--
E. Century St.	NA	NA	11.26	--	11.23	--	11.19	--
Lwr. Beckleys. Rd.	NA	NA	48.11	--	47.36	--	47.84	--

NA - Not Available/Not Accessible

Table 2-3
Effluent Characteristics Summary - XX Quarter 19XX
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE			
				July 1998	August 1998	September 1998	
001	FLOW	average	MGD	NA	0.202	0.179	0.132
		maximum	MGD	NA	0.246	0.719	0.154
	1,1,1-Trichloroethane		ug/l	5	< 5	< 5	< 5
	Tetrachloroethylene		ug/l	5	< 5	< 5	< 5
	Trichloroethylene		ug/l	5	< 5	< 5	< 5
	Total Residual Chlorine		mg/l	<0.1	<0.1	<0.1	<0.1
	Oil & Grease	maximum	mg/l	15	< 5	< 5	< 5
		quarterly average	mg/l	10	NR	NR	< 5
	pH	minimum	STD	6.0	6.18	6.71	6.68
		maximum	STD	8.5	7.22	7.86	7.34
	BOD		mg/l	15	3	4	3
TSS	maximum	mg/l	30	18	9	12	
	quarterly average	mg/l	20	NR	NR	10	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.473	0.463	0.475
		maximum	MGD	NA	0.473	0.470	0.500
	Fecal Coliform		MPN/100ml	200	< 2	< 2	< 2
201 (Monitoring Point)	FLOW	average	MGD	NA	0.240	0.236	0.228
		maximum	MGD	NA	0.271	0.249	0.235
	1,1,1-Trichloroethane		ug/l	NA	< 5	< 5	< 5
	Tetrachloroethylene		ug/l	NA	< 5	< 5	11
	Trichloroethylene		ug/l	NA	< 5	< 5	< 5

NA - Not Applicable
 NR - Not Reported

Table 2-4
Summary of Groundwater Analytical Results - August 1998
Black & Decker
Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2 (20)	EW-2 DUP (20)	EW-3 (5)	EW-4 (20)	EW-5 (10)	EW-6	EW-7	EW-8 (2)	EW-9 (5)	EW-10	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	200 U	200 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	200 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	200 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Chloroethanane	ug/L	NS	200 U	200 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	480 B	460 B	130 B	67 JB	31 JB	24 B	2 JB	2 JB	12 JB	2 JB	2 JB	2 JB	2 JB
Acetone	ug/L	NS	200 U	200 U	14 JB	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	6 JB	10 U
Carbon Disulfide	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	1 J	1 J	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	8	31	25 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	200 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	2400	2400	830	2200	1500	12	12	18	8 J	5 U	5 U	5 U	2 J
Dibromochloromethane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	200 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	200 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	76 JB	81 JB	13 JB	39 JB	26 JB	53 B	28	170	730	72	1 J	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	100 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U

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

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

Table 2-4
 Summary of Groundwater Analytical Results - August 1998
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A (1)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-11B (DUP)	RFW-12B (20)
Chloromethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
Methylene Chloride	ug/L	2 JB	2 JB	3 JB	2 JB	NS	2 JB	2 JB	NS	5 U	NS	2 JB	22 B	3 JB	66 JB
Acetone	ug/L	10 U	6 JB	10 U	6 JB	NS	7 JB	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
1,1-Dichloroethane	ug/L	5 U	1 J	5 U	5 U	NS	5 U	5 U	NS	3 J	NS	5 U	5 U	5 U	100 U
1,2-Dichloroethene (total)	ug/L	5 U	44	2 J	3 J	NS	1 J	5 U	NS	9	NS	5 U	5 U	5 U	100 U
Chloroform	ug/L	5 U	5 U	1 J	2 J	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
1,1,1-Trichloroethane	ug/L	5 U	3 J	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	5 U	5 U	5 U	100 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Trichloroethene	ug/L	5 U	23	100	110	NS	15	10	NS	24	NS	78	80	76	2900
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Benzene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	10 U	200 U
Tetrachloroethene	ug/L	5 U	36	120 B	170	NS	13	5 U	NS	11	NS	1 J	2 JB	2 J	54 JB
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Toluene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Styrene	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	5 U	100 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification
 DUP = Duplicate sample
 J = Indicates an estimated value. NS = Not sampled
 B = Indicates that the analyte was found in the associated blank as well as in the sample. (2.5) = Dilution factor.

Table 2-4

Summary of Groundwater Analytical Results - August 1998
Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-18	RFW-19	RFW-20	RFW-21	Town #2	Town #2	Leister Dairy	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	2 JB	2 JB	2 JB	2 JB	2 JB	2 JB	2 JB	2 JB	NS	2 JB	2 JB	2 JB	2 JB	3 JB
Acetone	ug/L	4 JB	10 U	3 JB	10 U	10 U	6 JB	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	25	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	9	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	9	2 J	5 U	5 U	5 U	10	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	2 J	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	55 B	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U

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

J = Indicates an estimated value.

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

DUP = Duplicate sample

NS = Not sampled

(2.5) = Dilution factor.

SECTION 3

OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities which were undertaken with the extraction and treatment system during the reporting period (July through September 1998) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate, or other routine activities).

Table 3-1
Treatment System Maintenance Activities - 3rd Quarter 1998
Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
July 1998	EW-3 down because of high water alarm. A pinhole hole was found in the flow meter control valve. The Valve was replaced, EW-3 back on line.
September 1998	Bad shaft in blower #1, put blower #2 on line. Blower #1 fixed and back on line.

SECTION 4
RECOMMENDATIONS

For the reporting period of July through September 1998, the treatment system continued to create a hydraulic boundary preventing off-site migration of groundwater. Operation of the extraction system as currently configured will continue, adjusting pumping rates as necessary according to the amount of groundwater recharge. Operation of the treatment system as currently configured will also continue, because the treatment system is fully effective in removing VOCs from the extracted groundwater.

APPENDIX A
GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS
(July – September 1998)

**BLACK DECKER
AIR STRIPPER # 2
OPERATING RECORD**

MONTH / YEAR

PAST MONTH READING

July 1998

341517312

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1	W	0830	341741419	271358	17164	17193
2	T	1025	342012777	↑	17164	17219
3	F					
4	S					
5	S			880741		
6	M	0910	342893518	248651	17164	17313
7	T	0930	343142169	250049	17188	17313
8	W	1020	343392218	238024	17213	17313
9	T	1030	343630242	222110	17237	17313
10	F	0935	343852352	↑	17260	17313
11	S					
12	S			696009		
13	M	1005	344548361	228135	17332	17313
14	T	1015	344776496	236361	17332	17339
15	W	1100	345012857	215286	17322	17362
16	T	0940	345228143	232242	17332	17384
17	F	1005	345460385	↑	17332	17409
18	S					
19	S			679103		
20	M	0930	346139488	222161	17332	17479
21	T	0915	346361649	241834	17358	17479
22	W	1030	346603483	231554	17364	17497
23	T	1045	346835637	226353	17364	17522
24	F	1040	347061390	↑	17364	17545
25	S				17364	17618
26	S			688018		
27	M	1100	347749408	236330	17364	17618
28	T	1045	347985738	225368	17388	17618
29	W	0920	348211106	257186	17410	17618
30	T	1050	348468292	222926	17410	17643
31	F	0915	348691318	239465	17410	17666
Total				7189264		
Average				239642		

NEXT MONTH READING 349409612 on Aug. 3

BLACK DECKER

MONTH / YEAR

AIR STRIPPER # 2

PAST MONTH READING

OPERATING RECORD

Aug. 98

348691218

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1				↑		
2				478929		
3	M	0920	349409612	249254	17476	17672
4	T	1010	349658866	239646	17501	17672
5	W	1010	349898512	241860	17525	17672
6	T	1025	350140372	237852	17549	17672
7	F	1010	350378224	↑	17573	17672
8						
9				719402		
10	M	1025	351097626	226277	17645	17672
11	T	0925	351323903	233233	17668	17672
12	W	0905	351557136	241089	17692	17672
13	T	0925	351798225	245559	17716	17672
14	F	1035	352043784	↑	17741	17672
15						
16				699821		
17	M	1000	352743605	234789	17813	17672
18	T	1000	352978394	237738	17813	17696
19	W	1010	353216132	227877	17813	17720
20	T	0935	353444009	230546	17813	17744
21	F	0915	353674555	↑	17813	17768
22						
23				704189		
24	M	0945	354378744	245120	17813	17840
25	T	1100	354623864	219976	17838	17840
26	W	0945	354843840	237975	17861	17840
27	T	1020	355081815	226980	17885	17840
28	F	1000	355308795	↑	17909	17840
29						
30				696701		
31	M	1005	356005496	227400	17981	17840
Total				7,302,213		
Average				235,555		

NEXT MONTH READING 356232896 on Sept. 1

MONTH / YEAR

Sept. 98

**BLACK DECKER
AIR STRIPPER # 2
OPERATING RECORD**

PAST MONTH READING

356005496

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1	T	0945	356232896	230560	17981	17864
2	W	0950	356463456	208145	17981	17888
3	T	0930	356671601	↑	17981	17909
4	F					
5						
6						
7	M			1169057		
8	T	0935	357840658	228023	17981	18032
9	W	0925	358068681	234789	18005	18032
10	T	1000	358303470	234804	18029	18032
11	F	1040	358538274	↑	18054	18032
12						
13				676780		
14	M	0945	359215054	225304	18125	18032
15	T	0935	359440358	231442	18125	18055
16	W	0955	359671800	228472	18125	18079
17	T	1005	359900222	225269	18125	18104
18	F	1000	360125541	↑	18125	18128
19						
20				692063		
21	M	1105	360817604	218240	18125	18201
22	T	1015	361035844	230478	18148	18201
23	W	1040	361266322	222950	18173	18201
24	T	1020	361489272	216564	18196	18201
25	F	0936	361705836	↑	18220	18201
26						
27				680517		
28	M	1005	362386353	227715	18292	18201
29	T	1015	362614068	221391	18316	18201
30	W	1000	362835459	231862	18340	18201
Total				6834.425		
Average				227.814		

NEXT MONTH READING 363067321

APPENDIX B
DISCHARGE MONITORING REPORTS
(July - September 1998)

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

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

ADDRESS: **626 HANOVER PIKE**

HAMPSTEAD, MD. 21074

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED

OMB No. 2040-0004

MD0001881
PERMIT NUMBER

001
DISCHARGE NUMBER

(2-16)

(17-19)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
98	07	01	98	07	31

FROM

TO

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.202	0.246	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	3/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10	15		1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.18		7.22	STD	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.50			2/WEEK	GRAB

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

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

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

TELEPHONE: 410-239-5555
DATE: 98 | 08 | 04
AREA CODE-NUMBER: 410-239-5555
YEAR | MO | DAY: 98 | 08 | 04

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No.2040-0004

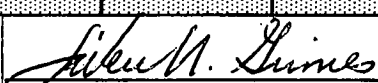
MD0001881
 PERMIT NUMBER
 (2-16)

001
 DISCHARGE NUMBER
 (17-19)

FACILITY:
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
98	07	01	98	07	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT							3	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT							18	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30				1/MONTH	GRAB
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE		
LaVere N. Grimes Facilities Manager TYPED OR PRINTED								 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		410-239-5555		98 08 04
COMMENT AND EXPLANATION OF ANY VIOLATIONS								AREA CODE-NUMBER		10.3		

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

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

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

FORM APPROVED
 OMB No.2040-0004

MD0001881 **101**
 PERMIT NUMBER DISCHARGE NUMBER

(2-16) (17-19)


MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
98	07	01	98	07	31

FACILITY: _____
 LOCATION: **CARROLL COUNTY**

FROM (20-21) (22-23) (24-25) TO (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	0.473	0.473	MGD					0	Cont Measure/Record		
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						Cont Measure/Record		
FECAL COLIFORM	<2						MPN/100ml	0	GRAB		
	PERMIT REQUIREMENT						200	1/WEEK	GRAB		
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER LaVere N. Grimes Facilities Manager TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			410-239-5555	98 08 04

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

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No. 2040-0004

MD0001881
 PERMIT NUMBER

201
 DISCHARGE NUMBER

(2-16)

(17-19)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
98	07	01	98	07	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		(3 Card Only) (46-53) AVERAGE	(22-23) (54-61) MAXIMUM	(24-25) UNITS	(4 Card Only) MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.24	0.271	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE	DATE	
LaVere N. Grimes Facilities Manager									SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
TYPED OR PRINTED									AREA CODE-NUMBER		

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

FORM APPROVED
 OMB No.2040-0004

MD0001881
 PERMIT NUMBER
 (2-16)

001
 DISCHARGE NUMBER
 (17-19)

FACILITY:
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
98	08	01	98	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.179	0.719	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5			1/MONTH GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	4/MONTH GRAB	
	PERMIT REQUIREMENT						<0.1			1/MONTH GRAB	
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH GRAB	
	PERMIT REQUIREMENT					10	15			1/MONTH GRAB	
pH	SAMPLE MEASUREMENT				6.71		7.86	STD	0	2/WEEK GRAB	
	PERMIT REQUIREMENT				6.00		8.50			2/WEEK GRAB	

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	<i>LaVere N. Grimes</i>	TELEPHONE	DATE
LaVere N. Grimes Facilities Manager			410-239-5555	98 09 02
TYPED OR PRINTED			AREA CODE-NUMBER	YEAR MO DAY

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

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

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

FACILITY:
 LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

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

MONITORING PERIOD

FROM: YEAR **98** MO **08** DAY **01** TO: YEAR **98** MO **08** DAY **31**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FORM APPROVED
 OMB No.2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53) (54-61)			QUALITY OR CONCENTRATION (4 Card Only)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT							4		0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15	mg/l		1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT							9		0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30		mg/l		1/MONTH	GRAB
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE	
LaVere N. Grimes Facilities Manager TYPED OR PRINTED									SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		410-239-5555	
COMMENT AND EXPLANATION OF ANY VIOLATIONS									AREA CODE-NUMBER		10.3	

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

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

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

FORM APPROVED
 OMB No. 2040-0004

MD0001881 **101**
 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD
 FROM: YEAR 98 MO 08 DAY 01 TO YEAR 98 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FACILITY: _____
 LOCATION: **CARROLL COUNTY**

NOTE: Read instructions before completing this form.

PARAMETER <small>(32-37)</small>	SAMPLE MEASUREMENT	QUANTITY OR LOADING <small>(3 Card Only 46-53)</small>			QUALITY OR CONCENTRATION <small>(4 Card Only)</small>				NO. EX <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-68)</small>	SAMPLE TYPE <small>(69-70)</small>	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
FLOW	SAMPLE MEASUREMENT	0.463	0.470	MGD					0	Cont Measure/Record		
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record		
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/100ml	0	GRAB		
	PERMIT REQUIREMENT						200		1/WEEK	GRAB		
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE			
LaVere N. Grimes Facilities Manager							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		410-239-5555		98 09 02	
TYPED OR PRINTED							AREA CODE-NUMBER		YEAR MO DAY			

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

FORM APPROVED
 OMB No.2040-0004

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

FACILITY: _____

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
98	08	01	98	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.236	0.249	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)								TELEPHONE	DATE	
LaVere N. Grimes Facilities Manager									SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
TYPED OR PRINTED									AREA CODE NUMBER		

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

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

FORM APPROVED
 OMB No.2040-0004

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
98	09	01	98	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FACILITY:
 LOCATION: **CARROLL COUNTY**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.132	0.154	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								Measured/Recorded
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	4/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10			1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.68		7.34	STD	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.50			2/WEEK	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

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

Eric H. Duffin

SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-239-5555

AREA CODE-NUMBER

DATE

98 | 10 | 07

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No.2040-0004

MD0001881
 PERMIT NUMBER
 (2-16)

001
 DISCHARGE NUMBER
 (17-19)

FACILITY: _____


MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
98	09	01	98	09	30

LOCATION: **CARROLL COUNTY**

FROM (20-21) (22-23) (24-25) TO (26-27) (28-29) (30-31)

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT							3	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					12		10	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20		30			1/MONTH	GRAB
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE	
LaVere N. Grimes Facilities Manager									410-239-5555		98 10 07	
TYPED OR PRINTED									AREA CODE-NUMBER		10.3	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT												

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

FORM APPROVED
 OMB No. 2040-0004

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

FACILITY: _____
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
98	09	01	98	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.475	0.500	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/ 100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE	
LaVere N. Grimes Facilities Manager								410-239-5555		98 10 07	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE-NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

FORM APPROVED
 OMB No.2040-0004

MD0001881 **201**
 PERMIT NUMBER DISCHARGE NUMBER

(2-16) (17-19)

MONITORING PERIOD

FROM


YEAR	MO	DAY
98	09	01

 TO

YEAR	MO	DAY
98	09	30

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (48-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.228	0.235	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						11	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE	DATE	
LaVere N. Grimes Facilities Manager TYPED OR PRINTED									 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
COMMENT AND EXPLANATION OF ANY VIOLATIONS		(Reference all attachments here)									

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS
(July - September 1998)

Gascoyne Laboratories, Inc.



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

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 4 of 14

Report no: 9803704

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(Pre); grab, on 01-Jul-1998(08:37)
Laboratory Sample Number: 980014544

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<500 ppb	500 ppb	EPA-624	THP	09-Jul-98(03:09)
Acrylonitrile	<500 ppb	500 ppb	EPA-624	THP	09-Jul-98(03:09)
Benzene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Bromomethane	<50 ppb	50 ppb	EPA-624	THP	09-Jul-98(03:09)
Carbon Tetrachloride	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Chlorobenzene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Chloromethane	<50 ppb	50 ppb	EPA-624	THP	09-Jul-98(03:09)
1,2-Dichloropropane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
1,1,1-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
1,1-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Chloroethane	<50 ppb	50 ppb	EPA-624	THP	09-Jul-98(03:09)
2-Chloroethylvinyl Ether	<50 ppb	50 ppb	EPA-624	THP	09-Jul-98(03:09)
Chloroform	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
1,1-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
trans-1,2-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
1,2-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
cis-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
trans-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Ethylbenzene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Methylene Chloride	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
1,1,2-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Bromodichloromethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Bromoform	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Dibromochloromethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Trichlorofluoromethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
1,1,2,2-Tetrachloroethane	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Tetrachloroethene	190 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Toluene	<25 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Trichloroethene	760 ppb	25 ppb	EPA-624	THP	09-Jul-98(03:09)
Vinyl Chloride	<50 ppb	50 ppb	EPA-624	THP	09-Jul-98(03:09)

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Report no: 9803704

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(Pre); grab, on 01-Jul-1998(08:37)
Laboratory Sample Number: 980014544

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	96 % Rec	NA	EPA-624	THP	09-Jul-98(03:09)
1,2-Dichloroethane-d4(surrogate)	100 % Rec	NA	EPA-624	THP	09-Jul-98(03:09)
Toluene-d8(surrogate)	95 % Rec	NA	EPA-624	THP	09-Jul-98(03:09)
Bromofluorobenzene(surrogate)	107 % Rec	NA	EPA-624	THP	09-Jul-98(03:09)

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Report no: 9803704

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 01-Jul-1998(08:38)

Laboratory Sample Number: 980014545

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	09-Jul-98(03:40)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	09-Jul-98(03:40)
Benzene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	09-Jul-98(03:40)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	09-Jul-98(03:40)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	09-Jul-98(03:40)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	09-Jul-98(03:40)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Toluene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	09-Jul-98(03:40)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	09-Jul-98(03:40)



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Report no: 9803704

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 01-Jul-1998(08:38)
Laboratory Sample Number: 980014545

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	98 % Rec	NA	EPA-624	THP	09-Jul-98(03:40)
1,2-Dichloroethane-d4(surrogate)	92 % Rec	NA	EPA-624	THP	09-Jul-98(03:40)
Toluene-d8(surrogate)	96 % Rec	NA	EPA-624	THP	09-Jul-98(03:40)
Bromofluorobenzene(surrogate)	104 % Rec	NA	EPA-624	THP	09-Jul-98(03:40)

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Report no: 9804415

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(PRE); grab, on 05-Aug-1998(07:55)
Laboratory Sample Number: 980016987

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<500 ppb	500 ppb	EPA-624	THP	11-Aug-98(03:55)
Acrylonitrile	<500 ppb	500 ppb	EPA-624	THP	11-Aug-98(03:55)
Benzene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Bromomethane	<50 ppb	50 ppb	EPA-624	THP	11-Aug-98(03:55)
Carbon Tetrachloride	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Chlorobenzene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Chloromethane	<50 ppb	50 ppb	EPA-624	THP	11-Aug-98(03:55)
1,2-Dichloropropane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
1,1,1-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
1,1-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Chloroethane	<50 ppb	50 ppb	EPA-624	THP	11-Aug-98(03:55)
2-Chloroethylvinyl Ether	<50 ppb	50 ppb	EPA-624	THP	11-Aug-98(03:55)
Chloroform	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
1,1-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
trans-1,2-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
1,2-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
cis-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
trans-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Ethylbenzene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Methylene Chloride	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
1,1,2-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Bromodichloromethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Bromoform	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Dibromochloromethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Trichlorofluoromethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
1,1,1,2-Tetrachloroethane	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Tetrachloroethene	190 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Toluene	<25 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Trichloroethene	800 ppb	25 ppb	EPA-624	THP	11-Aug-98(03:55)
Vinyl Chloride	<50 ppb	50 ppb	EPA-624	THP	11-Aug-98(03:55)

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Report no: 9804415

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(PRE); grab, on 05-Aug-1998(07:55)
Laboratory Sample Number: 980016987

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	106 % Rec	NA	EPA-624	THP	11-Aug-98(03:55)
1,2-Dichloroethane-d4(surrogate)	106 % Rec	NA	EPA-624	THP	11-Aug-98(03:55)
Toluene-d8(surrogate)	96 % Rec	NA	EPA-624	THP	11-Aug-98(03:55)
Bromofluorobenzene(surrogate)	105 % Rec	NA	EPA-624	THP	11-Aug-98(03:55)

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Report no: 9804415

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 05-Aug-1998(07:57)

Laboratory Sample Number: 980016988

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	11-Aug-98(04:26)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	11-Aug-98(04:26)
Benzene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	11-Aug-98(04:26)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	11-Aug-98(04:26)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	11-Aug-98(04:26)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	11-Aug-98(04:26)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Toluene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	11-Aug-98(04:26)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	11-Aug-98(04:26)

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Report no: 9804415

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 05-Aug-1998(07:57)
Laboratory Sample Number: 980016988

Parameter	Test Results	Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	106 % Rec	NA	EPA-624	THP	11-Aug-98(04:26)
1,2-Dichloroethane-d4(surrogate)	104 % Rec	NA	EPA-624	THP	11-Aug-98(04:26)
Toluene-d8(surrogate)	95 % Rec	NA	EPA-624	THP	11-Aug-98(04:26)
Bromofluorobenzene(surrogate)	102 % Rec	NA	EPA-624	THP	11-Aug-98(04:26)

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Report no: 9805067

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(PRE); grab, on 03-Sep-1998(07:31)
Laboratory Sample Number: 980019475

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<500 ppb	500 ppb	EPA-624	THP	12-Sep-98(11:25)
Acrylonitrile	<500 ppb	500 ppb	EPA-624	THP	12-Sep-98(11:25)
Benzene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Bromomethane	<50 ppb	50 ppb	EPA-624	THP	12-Sep-98(11:25)
Carbon Tetrachloride	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Chlorobenzene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Chloromethane	<50 ppb	50 ppb	EPA-624	THP	12-Sep-98(11:25)
1,2-Dichloropropane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
1,1,1-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
1,1-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Chloroethane	<50 ppb	50 ppb	EPA-624	THP	12-Sep-98(11:25)
2-Chloroethylvinyl Ether	<50 ppb	50 ppb	EPA-624	THP	12-Sep-98(11:25)
Chloroform	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
1,1-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
trans-1,2-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
1,2-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
cis-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
trans-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Ethylbenzene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Methylene Chloride	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
1,1,2-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Bromodichloromethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Bromoform	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Dibromochloromethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Trichlorofluoromethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
1,1,2,2-Tetrachloroethane	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Tetrachloroethene	170 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Toluene	<25 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Trichloroethene	520 ppb	25 ppb	EPA-624	THP	12-Sep-98(11:25)
Vinyl Chloride	<50 ppb	50 ppb	EPA-624	THP	12-Sep-98(11:25)

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Report no: 9805067

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(PRE); grab, on 03-Sep-1998(07:31)
Laboratory Sample Number: 980019475

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	98 % Rec	NA	EPA-624	THP	12-Sep-98(11:25)
1,2-Dichloroethane-d4(surrogate)	104 % Rec	NA	EPA-624	THP	12-Sep-98(11:25)
Toluene-d8(surrogate)	104 % Rec	NA	EPA-624	THP	12-Sep-98(11:25)
Bromofluorobenzene(surrogate)	110 % Rec	NA	EPA-624	THP	12-Sep-98(11:25)

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Report no: 9805067

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 03-Sep-1998(07:29)
Laboratory Sample Number: 980019476

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	12-Sep-98(11:56)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	12-Sep-98(11:56)
Benzene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	12-Sep-98(11:56)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	12-Sep-98(11:56)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	12-Sep-98(11:56)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	12-Sep-98(11:56)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Tetrachloroethene	11 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Toluene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	12-Sep-98(11:56)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	12-Sep-98(11:56)

Gascoyne Laboratories, Inc.



YOUR ON-TIME QUALITY LAB™

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.

(410) 633-5443

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Page 7 of 15

Report no: 9805067

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 03-Sep-1998(07:29)
Laboratory Sample Number: 980019476

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	102 % Rec	NA	EPA-624	THP	12-Sep-98(11:56)
1,2-Dichloroethane-d4(surrogate)	106 % Rec	NA	EPA-624	THP	12-Sep-98(11:56)
Toluene-d8(surrogate)	104 % Rec	NA	EPA-624	THP	12-Sep-98(11:56)
Bromofluorobenzene(surrogate)	109 % Rec	NA	EPA-624	THP	12-Sep-98(11:56)

APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(August 1998)



a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

**Recra LabNet Philadelphia
Analytical Report**

Client : BLACK & DECKER-HAMPSTEAD
RFW# : 9808L402

W.O. #: 02501-004-001-0200-00
Date Received: 08-20-98

GC/MS VOLATILE

The set of samples consisted of thirty-eight (38) water samples collected on 08-18,19-98.

The samples and their associated QC samples were analyzed according to criteria set forth in Recra OPs based on SW 846 Method 8260 for TCL Volatile target compounds on 08-29,30,31-98 and 09-01-98.

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

1. The cooler temperature(s) upon receipt has been recorded on the chain-of-custody.
2. The required holding time for analysis was met.
3. Non-target compounds were detected in these samples.
4. Eight (8) samples required dilution (ranging from five-fold to 20-fold) because they contained high levels of target compounds.
5. Three (3) of one-hundred-fifty (150) surrogate recoveries were outside EPA QC limits. The analysis of RFW-17 fulfilled the reanalysis requirement for its associated matrix spike samples. The recovery of Bromofluorobenzene for the method blank spike 98LVN368-MB1 BS was slightly high. All blank spike recoveries were within QC limits; consequently, there was minimal impact on the data and reanalysis was not performed. A copy of the Sample Discrepancy Report (SDR) has been included in this data package.
6. All matrix spike recoveries were within EPA QC limits.
7. All blank spike recoveries were within EPA QC limits.
8. The method blanks contained the common laboratory contaminants Methylene Chloride and Acetone and the target compounds Chloromethane and Tetrachloroethene at levels less than the CRQL.

for Mary M Taylor
J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

10-28-98
Date

mmz\voa\08-402v.cn

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 72 pages.

GLOSSARY OF VOA DATA

DATA QUALIFIERS

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



GLOSSARY OF VOA DATA

ABBREVIATIONS

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

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #:

98VT3570

Initiator: Museen Brundage RFW Batch: 9808L40X Parameter: MSLOA
 Date: 9.1.98 Samples: Blank Spike Matrix: Water
 Client: Black & Decker - Memphis Method: SW846/MCAWW/CLPI 8205 Prep Batch: 982V1308

1. Reason for SDR

- a. COC Discrepancy Tech Profile Error Client Request Sampler Error on C-O-C
 Transcription Error Wrong Test Code Other _____

b. General Discrepancy

- Missing Sample/Extract Container Broken Wrong Sample Pulled Label ID's Illegible
 Hold Time Exceeded Insufficient Sample Preservation Wrong Received Past Hold
 Improper Bottle Type Not Amenable to Analysis

Note: Verified by [Log-In] or [Prep Group] (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)

Surrogate recovery for 4-BFB was 117% in the blank spike. The QC limit is 115. All of the spikes were within QC limits. The surrogates and spikes in the associated MS & MSD samples were within QC limits.

2. Known or Probable Causes(s)

3. Discussion and Proposed Action

- Re-log
 Entire Batch
 Following Samples: _____
 Re-leach
 Re-extract
 Re-digest
 Revise EDD
 Change Test Code to _____
 Place On/Take Off Hold (circle)

Other Description:

Report blank spike and narrate.

aw
09-01-98

4. Project Manager Instructions...signature/date:

- Concur with Proposed Action
 Disagree with Proposed Action; See Instruction
 Include in Case Narrative
 Client Contacted:
 Date/Person _____
 Add
 Cancel

[Signature] 9/1/98

5. Final Action...signature/date:

- Verified re-[log][leach][extract][digest][analysis] (circle)
 Included in Case Narrative
 Hard Copy COC Revised
 Electronic COC Revised
 EDD Corrections Completed

Other Explanation:

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
<input checked="" type="checkbox"/>	Initiator	<input type="checkbox"/>	Metals: Doughty
<input checked="" type="checkbox"/>	Lab Manager: J. Michael Taylor	<input type="checkbox"/>	Inorganic: Perrone
<input checked="" type="checkbox"/>	Project Mgr: <u>Mike Yarnel</u>	<input type="checkbox"/>	GC/LC: Rycklak/Schnell
<input checked="" type="checkbox"/>	Section Mgr: Siery/Durke/Daniels	<input type="checkbox"/>	MS: LeMin/McIntyre/Taylor/Kasdras
<input checked="" type="checkbox"/>	QA (file): Racioppi	<input type="checkbox"/>	Log-in: Toder
<input type="checkbox"/>	Data Management: Feldman	<input type="checkbox"/>	Admin: Soos
<input type="checkbox"/>	Sample Prep: Schnell/Doughty/Kauffman	<input type="checkbox"/>	Other: _____

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/26/98 15:20

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 1a

Cust ID:	RFW-20	RFW-21	EW-2	EW-2 DUP	EW-3	EW-4	
Sample RFW#:	001	002	003	004	005	006	
Information Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	
D.F.:	1.00	1.00	20.0	20.0	5.00	20.0	
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
Surrogate	Toluene-d8	101 %	101 %	102 %	104 %	103 %	107 %
Recovery	Bromofluorobenzene	100 %	99 %	106 %	99 %	105 %	109 %
	1,2-Dichloroethane-d4	97 %	97 %	106 %	104 %	109 %	114 %
		=====fl	=====fl	=====fl	=====fl	=====fl	=====fl
Chloromethane	10 U	10 U	200 U	200 U	50 U	200 U	
Bromomethane	10 U	10 U	200 U	200 U	50 U	200 U	
Vinyl Chloride	10 U	10 U	200 U	200 U	50 U	200 U	
Chloroethane	10 U	10 U	200 U	200 U	50 U	200 U	
Methylene Chloride	2 BJ	2 BJ	480 B	460 B	130 B	67 BJ	
Acetone	6 BJ	10 U	200 U	200 U	14 BJ	200 U	
Carbon Disulfide	5 U	5 U	100 U	100 U	25 U	100 U	
1,1-Dichloroethene	5 U	5 U	100 U	100 U	25 U	100 U	
1,1-Dichloroethane	5 U	5 U	100 U	100 U	25 U	100 U	
1,2-Dichloroethene (total)	5 U	5 U	100 U	100 U	25 U	100 U	
Chloroform	5 U	5 U	100 U	100 U	25 U	100 U	
1,2-Dichloroethane	5 U	5 U	100 U	100 U	25 U	100 U	
2-Butanone	10 U	10 U	200 U	200 U	50 U	200 U	
1,1,1-Trichloroethane	5 U	5 U	100 U	100 U	25 U	100 U	
Carbon Tetrachloride	5 U	5 U	100 U	100 U	25 U	100 U	
Bromodichloromethane	5 U	5 U	100 U	100 U	25 U	100 U	
1,2-Dichloropropane	5 U	5 U	100 U	100 U	25 U	100 U	
cis-1,3-Dichloropropene	5 U	5 U	100 U	100 U	25 U	100 U	
Trichloroethene	10	5 U	2400	2400	830	2200	
Dibromochloromethane	5 U	5 U	100 U	100 U	25 U	100 U	
1,1,2-Trichloroethane	5 U	5 U	100 U	100 U	25 U	100 U	
Benzene	5 U	5 U	100 U	100 U	25 U	100 U	
Trans-1,3-Dichloropropene	5 U	5 U	100 U	100 U	25 U	100 U	
Bromoform	5 U	5 U	100 U	100 U	25 U	100 U	
4-Methyl-2-pentanone	10 U	10 U	200 U	200 U	50 U	200 U	
2-Hexanone	10 U	10 U	200 U	200 U	50 U	200 U	
Tetrachloroethene	5 U	5 U	76 BJ	81 BJ	13 BJ	39 BJ	
1,1,2,2-Tetrachloroethane	5 U	5 U	100 U	100 U	25 U	100 U	
Toluene	5 U	5 U	100 U	100 U	25 U	100 U	

005

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 1b

Cust ID:	RFW-20	RFW-21	EW-2	EW-2 DUP	EW-3	EW-4
----------	--------	--------	------	----------	------	------

RFW#:	001	002	003	004	005	006
-------	-----	-----	-----	-----	-----	-----

Chlorobenzene_____	5 U	5 U	100 U	100 U	25 U	100 U
Ethylbenzene_____	5 U	5 U	100 U	100 U	25 U	100 U
Styrene_____	5 U	5 U	100 U	100 U	25 U	100 U
Xylene (total)_____	5 U	5 U	100 U	100 U	25 U	100 U

*= Outside of EPA CLP QC limits.

906

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/26/98 15:20

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 2a

Sample Information	Cust ID:	EW-5	EW-6	EW-6	EW-6	EW-7	EW-8
RFW#:	007	008	008 MS	008 MSD	009	010	
Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	
D.F.:	10.0	1.00	1.00	1.00	1.00	1.00	
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
Toluene-d8	106 %	109 %	100 %	100 %	100 %	99 %	
Surrogate Bromofluorobenzene	105 %	102 %	102 %	101 %	99 %	98 %	
Recovery 1,2-Dichloroethane-d4	110 %	101 %	109 %	107 %	99 %	94 %	
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Chloromethane	100 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	100 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	100 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	100 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	31 BJ	24 B	3 BJ	3 BJ	2 BJ	2 BJ	2 BJ
Acetone	100 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	50 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	50 U	5 U	70 %	70 %	5 U	5 U	5 U
1,1-Dichloroethane	50 U	5 U	5 U	5 U	1 J	1 J	1 J
1,2-Dichloroethene (total)	50 U	5 U	5 U	5 U	8	31	31
Chloroform	50 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	100 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	50 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	1500	12	90 %	88 %	12	18	18
Dibromochloromethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	50 U	5 U	88 %	86 %	5 U	5 U	5 U
Trans-1,3-Dichloropropene	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	50 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	100 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	100 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	26 BJ	53 B	44 B	47 B	28	170	170
1,1,2,2-Tetrachloroethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	50 U	5 U	94 %	92 %	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

2007

Cust ID: EW-5 EW-6 EW-6 EW-6 EW-7 EW-8

RFW#: 007 008 008 MS 008 MSD 009 010

	EW-5	EW-6	EW-6	EW-6	EW-7	EW-8
Chlorobenzene	50 U	5 U	94 %	93 %	5 U	5 U
Ethylbenzene	50 U	5 U	5 U	5 U	5 U	5 U
Styrene	50 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	50 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

008

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/26/98 15:20

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 3a

Cust ID:		RFW-1A	RFW-1B	RFW-2A	RFW-2B	RFW-3B	RFW-4A
Sample Information	RFW#:	011	012	013	014	015	016
	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	Toluene-d8	102 %	100 %	103 %	100 %	101 %	105 %
Recovery	Bromofluorobenzene	100 %	99 %	98 %	96 %	98 %	102 %
	1,2-Dichloroethane-d4	96 %	94 %	93 %	94 %	95 %	103 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		2 BJ	2 BJ	2 BJ	2 BJ	2 BJ	3 BJ
Acetone		10 U	6 BJ	10 U	10 U	6 BJ	10 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	1 J	5 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	5 U	44	2 J
Chloroform		5 U	5 U	5 U	5 U	5 U	1 J
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	3 J	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 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	2 J	5 U	5 U	5 U
Dibromochloromethane		5 U	5 U	5 U	5 U	23	100
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		1 J	5 U	5 U	5 U	36	120 B
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Toluene		5 U	5 U	5 U	5 U	5 U	5 U

009

*= Outside of EPA CLP QC limits.

Cust ID: RFW-1A RFW-1B RFW-2A RFW-2B RFW-3B RFW-4A

RFW#: 011 012 013 014 015 016

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

*= Outside of EPA CLP QC limits.

010

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/26/98 15:20

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 4a

	Cust ID:	RFW-4B	RFW-6	RFW-7	RFW-9	RFW-10	RFW-11A
Sample Information	RFW#:	017	018	019	020	021	022
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	10.0	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
	Toluene-d8	104 %	106 %	105 %	103 %	103 %	104 %
Surrogate	Bromofluorobenzene	107 %	105 %	101 %	103 %	103 %	94 %
Recovery	1,2-Dichloroethane-d4	113 %	110 %	107 %	108 %	104 %	98 %
		=====fl=====	=====fl=====	=====fl=====	=====fl=====	=====fl=====	=====fl=====
Chloromethane		10 U	10 U	10 U	10 U	100 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	100 U	10 U
Vinyl Chloride		10 U	10 U	10 U	10 U	100 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	100 U	10 U
Methylene Chloride		2 BJ	2 BJ	2 BJ	5 U	24 BJ	2 BJ
Acetone		6 BJ	7 BJ	10 U	10 U	100 U	10 U
Carbon Disulfide		5 U	5 U	5 U	5 U	50 U	5 U
1,1-Dichloroethene		5 U	5 U	5 U	5 U	50 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	3 J	50 U	5 U
1,2-Dichloroethene (total)		3 J	1 J	5 U	9	50 U	5 U
Chloroform		2 J	5 U	5 U	5 U	50 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	50 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	100 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	2 J	50 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	50 U	5 U
Bromodichloromethane		5 U	5 U	5 U	5 U	50 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	50 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	50 U	5 U
Trichloroethene		110	15	10	24	1400	78
Dibromochloromethane		5 U	5 U	5 U	5 U	50 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	50 U	5 U
Benzene		5 U	5 U	5 U	5 U	50 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	50 U	5 U
Bromoform		5 U	5 U	5 U	5 U	50 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	100 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	100 U	10 U
Tetrachloroethene		170	13	5 U	11	25 J	1 J
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	50 U	5 U
Toluene		5 U	5 U	5 U	5 U	50 U	5 U

011

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 4b

Cust ID: RFW-4B RFW-6 RFW-7 RFW-9 RFW-10 RFW-11A

RFW#:	017	018	019	020	021	022
Chlorobenzene	5 U	5 U	5 U	5 U	50 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	50 U	5 U
Styrene	5 U	5 U	5 U	5 U	50 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	50 U	5 U

*= Outside of EPA CLP QC limits.

012

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 5b

Cust ID: RFW-11B DUP

RFW-11B

RFW-12B

RFW-13

RFW-16

RFW-17

RFW#:	023	024	025	026	027	028
Chlorobenzene	5 U	5 U	100 U	5 U	5 U	5
Ethylbenzene	5 U	5 U	100 U	5 U	5 U	5
Styrene	5 U	5 U	100 U	5 U	5 U	5
Xylene (total)	5 U	5 U	100 U	5 U	5 U	5

*= Outside of EPA CLP QC limits.

RFW-17

Cust ID: RFW-17 RFW-17 RFW-18 RFW-19 EW-9 EW-10

RFW#: 028 MS 028 MSD 029 030 031 032

	028 MS	028 MSD	029	030	031	032
Chlorobenzene	95 %	95 %	5 U	5 U	25 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	25 U	5 U
Styrene	5 U	5 U	5 U	5 U	25 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	25 U	5 U

*= Outside of EPA CLP QC limits.

016

Cust ID: HAMP-22 LEISTER-1 LEISTER-2 LEISTER-DAIR TRIP BLANK FB-RFW-7

RFW#: 033 034 035 Y 036 037 038

	033	034	035	Y	036	037	038
Chlorobenzene	5 U	5 U	5 U		5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U		5 U	5 U	5 U
Styrene	5 U	5 U	5 U		5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U		5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

018

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 8b

Cust ID: VBLKAW

VBLKAU

VBLKAU BS

VBLKAT

VBLKTF

VBLKAS

RFW#: 98LVH400-MB1

98LVN368-MB1

98LVN368-MB1

98LVN367-MB1

98LVH402-MB1

98LVN365-MB1

	98LVH400-MB1	98LVN368-MB1	98LVN368-MB1	98LVN367-MB1	98LVH402-MB1	98LVN365-MB1
Chlorobenzene	5 U	5 U	95 %	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.

020

Cust ID: VBLKVT VBLKVT BS

RFW#: 98LVN363-MB1 98LVN363-MB1

Chlorobenzene	5	U	99	%
Ethylbenzene	5	U	5	U
Styrene	5	U	5	U
Xylene (total)	5	U	5	U

*= Outside of EPA CLP QC limits.

022

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-20

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083006

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-21

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-002

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

Lab File ID: h083007

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec. _____

Date Analyzed: 08/30/98

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-2

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-003

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

Lab File ID: n083133

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/31/98

Column: (pack/cap) CAP

Dilution Factor: 20.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75456	METHANE, CHLORODIFLUORO-	3.818	200	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-2 DUP

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083134

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75456	METHANE, CHLORODIFLUORO-	3.816	200	NJ

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-3

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083130

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

Column: (pack/cap) CAP Dilution Factor: 5.00

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75456	METHANE, CHLORODIFLUORO-	3.815	60	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-4

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-006

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083135

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-5

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-007

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

Lab File ID: n083137

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/31/98

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-6

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-008

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083128

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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
1.75456	METHANE, CHLORODIFLUORO-	3.828	10	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-7

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-009

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

Lab File ID: h083014

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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-8

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-010

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083015

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/30/98

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.

RFW-1A

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-011

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

Lab File ID: h083016

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

RFW-1B

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-012

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

Lab File ID: h083017

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

RFW-2A

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083018

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-2B

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-014

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083019

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-3B

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-015

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

Lab File ID: h083020

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

RFW-4A

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-016

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083138

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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.

RFW-4B

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-017

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083121

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

RFW-6

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-018

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

Lab File ID: n083120

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/31/98

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.

RFW-7

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-019

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083119

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

RFW-9

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-020

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083118

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

RFW-10

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-021

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

Lab File ID: n083117

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/31/98

Column: (pack/cap) CAP

Dilution Factor: 10.0

Number TICs found: 1

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.156	70	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-11A

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-022

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

Lab File ID: n083116

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/31/98

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.

RFW-11B DUP

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-023

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083116

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

RFW-11B

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-024

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083127

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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. 75456	METHANE, CHLORODIFLUORO-	3.834	10	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-12B

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-025

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083136

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-13

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-026

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083111

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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.

RFW-16

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-027

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083023

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-17

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-028

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

Lab File ID: n082919

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.	UNKNOWN	9.401	8	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-18

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-029

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083021

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-19

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-030

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

Lab File ID: n083020

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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-9

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-031

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083110

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

Column: (pack/cap) CAP Dilution Factor: 5.00

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-10

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-032

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

Lab File ID: n083018

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

HAMP-22

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-033

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083017

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

LEISTER-1

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-034

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083022

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

LEISTER-2

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-035

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083015

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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

Number TICs found: 2 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1634044	PROPANE, 2-METHOXY-2-METHYL-	9.386	500	NJ
2. 994058	BUTANE, 2-METHOXY-2-METHYL-	13.104	30	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

LEISTER-DAIRY

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-036

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083014

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/30/98

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.

TRIP BLANK

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-037

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083012

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

FB-RFW-7

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-038

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083013

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

VBLKAW

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 98LVH400-MB1

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

Lab File ID: h083005

Level: (low/med) LOW

Date Received: 08/30/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

VBLKAU

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVN368-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083125

Level: (low/med) LOW Date Received: 08/31/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

VBLKAT

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 98LVN367-MB1

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

Lab File ID: n083107

Level: (low/med) LOW

Date Received: 08/31/98

% Moisture: not dec. _____

Date Analyzed: 08/31/98

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.

VBLKTF

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 98LVH402-MB1

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

Lab File ID: h083115

Level: (low/med) LOW

Date Received: 08/31/98

% Moisture: not dec. _____

Date Analyzed: 08/31/98

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.

VBLKAS

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVN365-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083011

Level: (low/med) LOW Date Received: 08/30/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

VBLKVT

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVN363-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n082905

Level: (low/med) LOW Date Received: 08/29/98

% Moisture: not dec. Date Analyzed: 08/29/98

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

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

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

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

DATE RECEIVED: 08/20/98

RFW LOT # :9808L402

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
RFW-20	001	W	98LVH400	08/18/98	N/A	08/30/98
RFW-21	002	W	98LVH400	08/18/98	N/A	08/30/98
EW-2	003	W	98LVN368	08/18/98	N/A	08/31/98
EW-2 DUP	004	W	98LVN368	08/18/98	N/A	08/31/98
EW-3	005	W	98LVN368	08/19/98	N/A	08/31/98
EW-4	006	W	98LVN368	08/19/98	N/A	08/31/98
EW-5	007	W	98LVN368	08/18/98	N/A	08/31/98
EW-6	008	W	98LVN368	08/19/98	N/A	08/31/98
EW-6	008 MS	W	98LVN368	08/19/98	N/A	08/31/98
EW-6	008 MSD	W	98LVN368	08/19/98	N/A	08/31/98
EW-7	009	W	98LVH400	08/19/98	N/A	08/30/98
EW-8	010	W	98LVH400	08/19/98	N/A	08/30/98
RFW-1A	011	W	98LVH400	08/18/98	N/A	08/30/98
RFW-1B	012	W	98LVH400	08/18/98	N/A	08/30/98
RFW-2A	013	W	98LVH400	08/18/98	N/A	08/30/98
RFW-2B	014	W	98LVH400	08/18/98	N/A	08/30/98
RFW-3B	015	W	98LVH400	08/19/98	N/A	08/30/98
RFW-4A	016	W	98LVN368	08/19/98	N/A	08/31/98
RFW-4B	017	W	98LVN367	08/19/98	N/A	08/31/98
RFW-6	018	W	98LVN367	08/19/98	N/A	08/31/98
RFW-7	019	W	98LVN367	08/18/98	N/A	08/31/98
RFW-9	020	W	98LVN367	08/19/98	N/A	08/31/98
RFW-10	021	W	98LVN367	08/19/98	N/A	08/31/98
RFW-11A	022	W	98LVN367	08/19/98	N/A	08/31/98
RFW-11B DUP	023	W	98LVH402	08/19/98	N/A	08/31/98
RFW-11B	024	W	98LVN368	08/19/98	N/A	08/31/98
RFW-12B	025	W	98LVN368	08/19/98	N/A	08/31/98
RFW-13	026	W	98LVN367	08/19/98	N/A	08/31/98
RFW-16	027	W	98LVN365	08/19/98	N/A	08/30/98
RFW-17	028	W	98LVN363	08/18/98	N/A	08/30/98
RFW-17	028 MS	W	98LVN363	08/18/98	N/A	08/30/98
RFW-17	028 MSD	W	98LVN363	08/18/98	N/A	08/30/98
RFW-18	029	W	98LVN365	08/18/98	N/A	08/30/98
RFW-19	030	W	98LVN365	08/18/98	N/A	08/30/98
EW-9	031	W	98LVN367	08/19/98	N/A	08/31/98
EW-10	032	W	98LVN365	08/19/98	N/A	08/30/98
HAMP-22	033	W	98LVN365	08/19/98	N/A	08/30/98
LEISTER-1	034	W	98LVN365	08/18/98	N/A	08/30/98

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

DATE RECEIVED: 08/20/98

RFW LOT # :9808L402

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
LEISTER-2	035	W	98LVN365	08/18/98	N/A	08/30/98
LEISTER-DAIRY	036	W	98LVN365	08/18/98	N/A	08/30/98
TRIP BLANK	037	W	98LVN365	08/18/98	N/A	08/30/98
FB-RFW-7	038	W	98LVN365	08/18/98	N/A	08/30/98

LAB QC:

VBLKAW	MB1	W	98LVH400	N/A	N/A	08/30/98
VBLKAU	MB1	W	98LVN368	N/A	N/A	08/31/98
VBLKAU	MB1 BS	W	98LVN368	N/A	N/A	09/01/98
VBLKAT	MB1	W	98LVN367	N/A	N/A	08/31/98
VBLKTF	MB1	W	98LVH402	N/A	N/A	08/31/98
VBLKAS	MB1	W	98LVN365	N/A	N/A	08/30/98
VBLKVT	MB1	W	98LVN363	N/A	N/A	08/29/98
VBLKVT	MB1 BS	W	98LVN363	N/A	N/A	08/29/98

GCMS VOA,

Custody Transfer Record/Lab Work Request Page 1 of 4



RECRA LabNet Use Only
9808402

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client BIB Black + Decker - Hampstead	Refrigerator #	1
Est. Final Proj. Sampling Date	#/Type Container	Liquid 2
Project # 02SD1-004-00-0200-00	Solid	
Project Contact/Phone # Greg F.	Volume	Liquid 40ml
RECRA Project Manager Mike Yang	Solid	
QC SW846 Del STD TAT 28 days	Preservatives	Hcl

Date Rec'd 8/30/98	Date Due 9/17/98	ANALYSES REQUESTED												
Account #		<table border="1"> <tr> <td colspan="4">ORGANIC</td> <td colspan="2">INORG</td> </tr> <tr> <td>VOA</td> <td>BNA</td> <td>Pest/PCB</td> <td>Herb</td> <td>Metal</td> <td>CN</td> </tr> </table>	ORGANIC				INORG		VOA	BNA	Pest/PCB	Herb	Metal	CN
ORGANIC				INORG										
VOA	BNA	Pest/PCB	Herb	Metal	CN									

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	RECRA LabNet Use Only									
			MS	MSD				VOA	BNA	Pest/PCB	Herb	Metal	CN				
S - Soil	001	RFW-20			W	8/18											
SE - Sediment	2	RFW-21															
SO - Solid	3	EW-2															
SL - Sludge	4	EW-2Pp															
W - Water	5	EW-3				3/19											
O - Oil	6	EW-4															
A - Air	7	EW-5				8/18											
DS - Drum Solids	8	EW-6				8/19											
DL - Drum Liquids	9	EW-7															
L - EP/TCLP Leachate	10	EW-8															

Special Instructions:

DATE/REVISIONS:

00-09-27 Section on Bottom

029, 0302 Samples have same ID

3. no time collected on COC

4. can not match w/HAS (w/PM)

8/24/98 5. 029 has correct ID

6. 030 ID should be RFW-19 per COC

Samples were:		COC Tape was:	
1) Shipped	or	1) Present on Outer Package	(Y) or (N)
Hand Delivered	<input checked="" type="checkbox"/>	2) Unbroken on Outer Package	(Y) or (N)
Airbill #		3) Present on Sample	(Y) or (N)
2) Ambient or Chilled	<input checked="" type="checkbox"/>	4) Unbroken on Sample	(Y) or (N)
3) Received in Good Condition	(Y) or (N)	COC Record Present Upon Sample Rec'l	(Y) or (N)
4) Labels Indicate Properly Preserved	(Y) or (N)	Cooler Temp	6 C
5) Received Within Holding Times	(Y) or (N)		

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	8-20-98	1145				

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

NOTES:

RECRA LabNet Use Only

9808L 405 8/20/98

Custody Transfer Record/Lab Work Request Page 3 of 4



FIELD PERSONNEL: COMPLETE ONLY SHAPED AREAS

Client BTD	Refrigerator #	
Est. Final Proj. Sampling Date	#/Type Container	Liquid Z
Project # D2501-004-001	Solid	
Project Contact/Phone # Greg F	Volume	Liquid 4ml
RECRA Project Manager M. K. Young	Solid	
QC	Preservatives	HCl

Date Rec'd 8/20/98	Date Due	
Account #	ANALYSES REQUESTED	

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum DL - Drum L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	ORGANIC					INORG	
			MS	MSD				VOA	BNA	Pest/PCB	Herb	Metal	CN	
			RECRA LabNet Use Only											
	021	RFW-10			N	8/19/98		X						
	22	RFW-11A												
	23	RFW-11B Dup												
	24	RFW-11B												
	25	RFW-12B												
	26	RFW-13												
	27	RFW-16												
	28	RFW-17				8/18/98								
	29	RFW-18												
	030	RFW-19												

Special Instructions:

DATE/REVISIONS:

-
-
-
-
-
-

RECRA LabNet Use Only	
Samples were:	COC Tape was:
1) Shipped or Hand Delivered	1) Present on Outer Package Y or N
Airbill #	2) Unbroken on Outer Package Y or N
2) Ambient or Chilled	3) Present on Sample Y or N
3) Received in Good Condition Y or N	4) Unbroken on Sample Y or N
4) Labels Indicate Properly Preserved Y or N	COC Record Present Upon Sample Rec'l Y or N
5) Received Within Holding Times Y or N	Cooler Temp: 6 C

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	8/20/98	1145				

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES:

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

Page 4 of 4



402
4805L4082 8/20/98

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client B+D	Refrigerator #	
Est. Final Proj. Sampling Date	#/Type Container	Liquid 2
Project # 02501-004-01	Solid	
Project Contact/Phone # Greg F.	Volume	Liquid 100
RECRA Project Manager M. Pe Yung	Solid	
QC _____ Del TAT	Preservatives	HCl

Date Rec'd 8/20/98	Date Dup _____	ANALYSES REQUESTED	ORGANIC	INORG
Account # _____		VOA	BNA	Pes/PCB
		Herb		Metal
				CN

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	RECRA LabNet Use Only													
			MS	MSD				VOA	BNA	Pes/PCB	Herb	Metal	CN								
			031	EW-9							W	8/19/98									
130	EW-10																				
33	Hamp-22																				
34	Leister-1					8/18/98															
35	Leister-2																				
36	Leister-Dairy																				
37	Trip Blank																				
038	FB-RFW-7																				

Special Instructions: _____

DATE/REVISIONS:

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

RECRA LabNet Use Only

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

COC Tape was:
 1) Present on Outer Package Y or N
 2) Unbroken on Outer Package Y or N
 3) Present on Sample Y or N
 4) Unbroken on Sample Y or N
 COC Record Present Upon Sample Rec'l Y or N
 Cooler Temp **616** C

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	8/20/98	1145				

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



**RECRA
LabNet**

a division of Recra Environmental, Inc.

Virtual Laboratories Everywhere

**Recra LabNet Philadelphia
Analytical Report**

**Client : BLACK & DECKER-HAMPSTEAD
RFW# : 9808L402**

**W.O. #: 02501-004-001-0200-00
Date Received: 08-20-98**

GC/MS VOLATILE

The set of samples consisted of thirty-eight (38) water samples collected on 08-18,19-98.

The samples and their associated QC samples were analyzed according to criteria set forth in Recra OPs based on SW 846 Method 8260 for TCL Volatile target compounds on 08-29,30,31-98 and 09-01-98.

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

1. The cooler temperature(s) upon receipt has been recorded on the chain-of-custody.
2. The required holding time for analysis was met.
3. Non-target compounds were detected in these samples.
4. Eight (8) samples required dilution (ranging from five-fold to 20-fold) because they contained high levels of target compounds.
5. Three (3) of one-hundred-fifty (150) surrogate recoveries were outside EPA QC limits. The analysis of RFW-17 fulfilled the reanalysis requirement for its associated matrix spike samples. The recovery of Bromofluorobenzene for the method blank spike 98LVN368-MB1 BS was slightly high. All blank spike recoveries were within QC limits; consequently, there was minimal impact on the data and reanalysis was not performed. A copy of the Sample Discrepancy Report (SDR) has been included in this data package.
6. All matrix spike recoveries were within EPA QC limits.
7. All blank spike recoveries were within EPA QC limits.
8. The method blanks contained the common laboratory contaminants Methylene Chloride and Acetone and the target compounds Chloromethane and Tetrachloroethene at levels less than the CRQL.

for J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

10-28-98
Date

mmz\voal08-402v.cn

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 72 pages.

GLOSSARY OF VOA DATA

DATA QUALIFIERS

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



GLOSSARY OF VOA DATA

ABBREVIATIONS

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

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #:

98VT350

Initiator: Neuseen Brundage RFW Batch: 9808L401 Parameter: MSLOA
 Date: 9.1.98 Samples: Blank Spike Matrix: Water
 Client: Black & Decker - Hempstead Method: SWB48/MCAWW/ICLPI 8200 Prep Batch: 982V1308

1. Reason for SDR

a. COC Discrepancy Tech Profile Error Client Request Sampler Error on C-O-C
 Transcription Error Wrong Test Code Other _____

b. General Discrepancy
 Missing Sample/Extract Container Broken Wrong Sample Pulled Label ID's Illegible
 Hold Time Exceeded Insufficient Sample Preservation Wrong Received Past Hold
 Improper Bottle Type Not Amenable to Analysis

Note: Verified by [Log-In] or [Prep Group] (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)
 Surrogate recovery for 4-BFB was 117% in the blank spike. The QC limit is 115. All of the spikes were within QC limits. The surrogates and spikes in the associated MS & MSD samples were within QC limits.

2. Known or Probable Causes(s)

3. Discussion and Proposed Action Other Description: Report blank spike and narrate.

Re-log
 Entire Batch
 Following Samples: _____
 Re-leach
 Re-extract
 Re-digest
 Revise EDD
 Change Test Code to _____
 Place On/Take Off Hold (circle)

AW
9/1/98

4. Project Manager Instructions...signature/date: [Signature] 9/1/98

Concur with Proposed Action
 Disagree with Proposed Action; See Instruction
 Include in Case Narrative
 Client Contacted:
 Date/Person _____
 Add
 Cancel

5. Final Action...signature/date: [Signature] 9/1/98 Other Explanation:

Verified re-[log][leach][extract][digest][analysis] (circle)
 Included in Case Narrative
 Hard Copy COC Revised
 Electronic COC Revised
 EDD Corrections Completed

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
<input checked="" type="checkbox"/>	Initiator	<input type="checkbox"/>	Metals: Doughty
<input checked="" type="checkbox"/>	Lab Manager: Michael Taylor	<input type="checkbox"/>	Inorganic: Perrone
<input checked="" type="checkbox"/>	Project Mgr: <u>Michelle Yarnel</u>	<input type="checkbox"/>	GC/LC: Rycklak/Schnell
<input checked="" type="checkbox"/>	Section Mgr: Siery/Durke/Daniels	<input type="checkbox"/>	MS: LeMin/McIntyre/Taylor/Kasdras
<input checked="" type="checkbox"/>	QA (file): Racioppi	<input type="checkbox"/>	Log-in: Toder
<input type="checkbox"/>	Data Management: Feldman	<input type="checkbox"/>	Admin: Soos
<input type="checkbox"/>	Sample Prep: Schnell/Doughty/Kauffman	<input type="checkbox"/>	Other: _____

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 1b

Cust ID: RFW-20 RFW-21 EW-2 EW-2 DUP EW-3 EW-4

RFW#: 001 002 003 004 005 006

Chlorobenzene	5 U	5 U	100 U	100 U	25 U	100 U
Ethylbenzene	5 U	5 U	100 U	100 U	25 U	100 U
Styrene	5 U	5 U	100 U	100 U	25 U	100 U
Xylene (total)	5 U	5 U	100 U	100 U	25 U	100 U

*= Outside of EPA CLP QC limits.

906

Cust ID:	EW-5	EW-6	EW-6	EW-6	EW-7	EW-8
RFW#:	007	008	008 MS	008 MSD	009	010

Chlorobenzene	50 U	5 U	94 %	93 %	5 U	5 U
Ethylbenzene	50 U	5 U	5 U	5 U	5 U	5 U
Styrene	50 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	50 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

800

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 3b

Cust ID:	RFW-1A	RFW-1B	RFW-2A	RFW-2B	RFW-3B	RFW-4A
RFW#:	011	012	013	014	015	016
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

010

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 4b

Cust ID:	RFW-4B	RFW-6	RFW-7	RFW-9	RFW-10	RFW-11A
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RFW#:	017	018	019	020	021	022
-------	-----	-----	-----	-----	-----	-----

Chlorobenzene _____	5 U	5 U	5 U	5 U	50 U	5 U
Ethylbenzene _____	5 U	5 U	5 U	5 U	50 U	5 U
Styrene _____	5 U	5 U	5 U	5 U	50 U	5 U
Xylene (total) _____	5 U	5 U	5 U	5 U	50 U	5 U

*= Outside of EPA CLP QC limits.

012

Cust ID: RFW-11B DUP RFW-11B RFW-12B RFW-13 RFW-16 RFW-17

	RFW#:	023	024	025	026	027	028
Chlorobenzene		5 U	5 U	100 U	5 U	5 U	5
Ethylbenzene		5 U	5 U	100 U	5 U	5 U	5
Styrene		5 U	5 U	100 U	5 U	5 U	5
Xylene (total)		5 U	5 U	100 U	5 U	5 U	5

3410

*= Outside of EPA CLP QC limits.

Cust ID: RFW-17 RFW-17 RFW-18 RFW-19 EW-9 EW-10

RFW#: 028 MS 028 MSD 029 030 031 032

	028 MS	028 MSD	029	030	031	032
Chlorobenzene	95 %	95 %	5 U	5 U	25 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	25 U	5 U
Styrene	5 U	5 U	5 U	5 U	25 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	25 U	5 U

*= Outside of EPA CLP QC limits.

016

RFW Batch Number: 9808L402

Client: BLACK&DECKER-HAMPSTEAD

Work Order: 02501004001 Page: 7b

Cust ID: HAMP-22 LEISTER-1 LEISTER-2 LEISTER-DAIR TRIP BLANK

FB-RFW-7

RFW#: 033 034 035 036 037 038

	033	034	035	036	037	038
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

018

Cust ID: VBLKAW VBLKAU VBLKAU BS VBLKAT VBLKTF VBLKAS

RFW#: 98LVH400-MB1 98LVN368-MB1 98LVN368-MB1 98LVN367-MB1 98LVH402-MB1 98LVN365-MB1

	98LVH400-MB1	98LVN368-MB1	98LVN368-MB1	98LVN367-MB1	98LVH402-MB1	98LVN365-MB1
Chlorobenzene	5 U	5 U	95 %	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.

020

Cust ID: VBLKVT VBLKVT BS

RFW#: 98LVN363-MB1 98LVN363-MB1

Chlorobenzene _____	5	U	99	%
Ethylbenzene _____	5	U	5	U
Styrene _____	5	U	5	U
Xylene (total) _____	5	U	5	U

*= Outside of EPA CLP QC limits.

022

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-20

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083006

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-21

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-002

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

Lab File ID: h083007

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec. _____

Date Analyzed: 08/30/98

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-2

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083133

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75456	METHANE, CHLORODIFLUORO-	3.818	200	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-2 DUP

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083134

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75456	METHANE, CHLORODIFLUORO-	3.816	200	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-3

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083130

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

Column: (pack/cap) CAP Dilution Factor: 5.00

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75456	METHANE, CHLORODIFLUORO-	3.815	60	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-4

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-006

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083135

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-5

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-007

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083137

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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-6

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-008

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083128

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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. 75456	METHANE, CHLORODIFLUORO-	3.828	10	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-7

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-009

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083014

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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-8

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-010

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083015

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/30/98

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.

RFW-1A

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-011

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083016

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-1B

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-012

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083017

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-2A

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083018

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

RFW-2B

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-014

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

Lab File ID: h083019

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec. _____

Date Analyzed: 08/30/98

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.

RFW-3B

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-015

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

Lab File ID: h083020

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

RFW-4A

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-016

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083138

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

RFW-4B

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-017

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083121

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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.

RFW-6

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-018

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083120

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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.

RFW-7

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-019

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083119

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

Lab Name: Recra.LabNet

Work Order: 02501004001

RFW-9

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-020

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

Lab File ID: n083118

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/31/98

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.

RFW-10

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-021

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083117

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

Column: (pack/cap) CAP Dilution Factor: 10.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.156	70	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-11A

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-022

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083116

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

RFW-11B DUP

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-023

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083116

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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.

RFW-11B

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-024

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083127

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

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. 75456	METHANE, CHLORODIFLUORO-	3.834	10	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-12B

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-025

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

Lab File ID: n083136

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/31/98

Column: (pack/cap) CAP

Dilution Factor: 20.0

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-13

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-026

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

Lab File ID: n083111

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec. _____

Date Analyzed: 08/31/98

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.

RFW-16

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-027

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

Lab File ID: n083023

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec. _____

Date Analyzed: 08/30/98

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.

RFW-17

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-028

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n082919

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.	UNKNOWN	9.401	8	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-18

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-029

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083021

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/30/98

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.

RFW-19

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-030

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083020

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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-9

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-031

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083110

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/31/98

Column: (pack/cap) CAP Dilution Factor: 5.00

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-10

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-032

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083018

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/30/98

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.

HAMP-22

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-033

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

Lab File ID: n083017

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

LEISTER-1

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-034

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083022

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

LEISTER-2

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-035

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

Lab File ID: n083015

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec. _____

Date Analyzed: 08/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1634044	PROPANE, 2-METHOXY-2-METHYL-	9.386	500	NJ
2. 994058	BUTANE, 2-METHOXY-2-METHYL-	13.104	30	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

LEISTER-DAIRY

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-036

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

Lab File ID: n083014

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec. _____

Date Analyzed: 08/30/98

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.

TRIP BLANK

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 9808L402-037

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083012

Level: (low/med) LOW Date Received: 08/20/98

% Moisture: not dec. _____ Date Analyzed: 08/30/98

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.

FB-RFW-7

Lab Name: Recra.LabNet

Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER

Lab Sample ID: 9808L402-038

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

Lab File ID: n083013

Level: (low/med) LOW

Date Received: 08/20/98

% Moisture: not dec.

Date Analyzed: 08/30/98

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.

VBLKAW

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVH400-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083005

Level: (low/med) LOW Date Received: 08/30/98

% Moisture: not dec. _____ Date Analyzed: 08/30/98

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.

VBLKAU

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVN368-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083125

Level: (low/med) LOW Date Received: 08/31/98

% Moisture: not dec. _____ Date Analyzed: 08/31/98

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.

VBLKAT

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVN367-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083107

Level: (low/med) LOW Date Received: 08/31/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

VBLKTF

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVH402-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h083115

Level: (low/med) LOW Date Received: 08/31/98

% Moisture: not dec. Date Analyzed: 08/31/98

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.

VBLKAS

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVN365-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n083011

Level: (low/med) LOW Date Received: 08/30/98

% Moisture: not dec. Date Analyzed: 08/30/98

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.

VBLKVT

Lab Name: Recra.LabNet Work Order: 02501004001

Client: BLACK&DECKER-HAMPSTEAD

Matrix: WATER Lab Sample ID: 98LVN363-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: n082905

Level: (low/med) LOW Date Received: 08/29/98

% Moisture: not dec. _____ Date Analyzed: 08/29/98

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

Number TICs found: 0

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

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

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

DATE RECEIVED: 08/20/98

RFW LOT # :9808L402

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
RFW-20	001	W	98LVH400	08/18/98	N/A	08/30/98
RFW-21	002	W	98LVH400	08/18/98	N/A	08/30/98
EW-2	003	W	98LVN368	08/18/98	N/A	08/31/98
EW-2 DUP	004	W	98LVN368	08/18/98	N/A	08/31/98
EW-3	005	W	98LVN368	08/19/98	N/A	08/31/98
EW-4	006	W	98LVN368	08/19/98	N/A	08/31/98
EW-5	007	W	98LVN368	08/18/98	N/A	08/31/98
EW-6	008	W	98LVN368	08/19/98	N/A	08/31/98
EW-6	008 MS	W	98LVN368	08/19/98	N/A	08/31/98
EW-6	008 MSD	W	98LVN368	08/19/98	N/A	08/31/98
EW-7	009	W	98LVH400	08/19/98	N/A	08/30/98
EW-8	010	W	98LVH400	08/19/98	N/A	08/30/98
RFW-1A	011	W	98LVH400	08/18/98	N/A	08/30/98
RFW-1B	012	W	98LVH400	08/18/98	N/A	08/30/98
RFW-2A	013	W	98LVH400	08/18/98	N/A	08/30/98
RFW-2B	014	W	98LVH400	08/18/98	N/A	08/30/98
RFW-3B	015	W	98LVH400	08/19/98	N/A	08/30/98
RFW-4A	016	W	98LVN368	08/19/98	N/A	08/31/98
RFW-4B	017	W	98LVN367	08/19/98	N/A	08/31/98
RFW-6	018	W	98LVN367	08/19/98	N/A	08/31/98
RFW-7	019	W	98LVN367	08/18/98	N/A	08/31/98
RFW-9	020	W	98LVN367	08/19/98	N/A	08/31/98
RFW-10	021	W	98LVN367	08/19/98	N/A	08/31/98
RFW-11A	022	W	98LVN367	08/19/98	N/A	08/31/98
RFW-11B DUP	023	W	98LVH402	08/19/98	N/A	08/31/98
RFW-11B	024	W	98LVN368	08/19/98	N/A	08/31/98
RFW-12B	025	W	98LVN368	08/19/98	N/A	08/31/98
RFW-13	026	W	98LVN367	08/19/98	N/A	08/31/98
RFW-16	027	W	98LVN365	08/19/98	N/A	08/30/98
RFW-17	028	W	98LVN363	08/18/98	N/A	08/30/98
RFW-17	028 MS	W	98LVN363	08/18/98	N/A	08/30/98
RFW-17	028 MSD	W	98LVN363	08/18/98	N/A	08/30/98
RFW-18	029	W	98LVN365	08/18/98	N/A	08/30/98
RFW-19	030	W	98LVN365	08/18/98	N/A	08/30/98
EW-9	031	W	98LVN367	08/19/98	N/A	08/31/98
EW-10	032	W	98LVN365	08/19/98	N/A	08/30/98
HAMP-22	033	W	98LVN365	08/19/98	N/A	08/30/98
LEISTER-1	034	W	98LVN365	08/18/98	N/A	08/30/98

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

DATE RECEIVED: 08/20/98

RFW LOT # :9808L402

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
LEISTER-2	035	W	98LVN365	08/18/98	N/A	08/30/98
LEISTER-DAIRY	036	W	98LVN365	08/18/98	N/A	08/30/98
TRIP BLANK	037	W	98LVN365	08/18/98	N/A	08/30/98
FB-RFW-7	038	W	98LVN365	08/18/98	N/A	08/30/98

LAB QC:

VBLKAW	MB1	W	98LVH400	N/A	N/A	08/30/98
VBLKAU	MB1	W	98LVN368	N/A	N/A	08/31/98
VBLKAU	MB1 BS	W	98LVN368	N/A	N/A	09/01/98
VBLKAT	MB1	W	98LVN367	N/A	N/A	08/31/98
VBLKTF	MB1	W	98LVH402	N/A	N/A	08/31/98
VBLKAS	MB1	W	98LVN365	N/A	N/A	08/30/98
VBLKVT	MB1	W	98LVN363	N/A	N/A	08/29/98
VBLKVT	MB1 BS	W	98LVN363	N/A	N/A	08/29/98

RECRA LabNet Use Only

402
7808L 404 8/20/98

Custody Transfer Record/Lab Work Request

Page 2 of 4



FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client BTD		Refrigerator # 1																			
Est. Final Proj. Sampling Date		Liquid 2																			
Project # 07501-001-001		Solid																			
Project Contact/Phone # Greg Epsinski 1-7253		Liquid 1/2																			
RECRA Project Manager Mike Young		Solid																			
QC Del TAT		Preservatives HCl																			
Date Rec'd 8/20/98 Date Due		ANALYSES REQUESTED																			
Account #		ORGANIC																			
		Metal CN																			
		VOA BNA Pes/PCB Herb																			
		↓ RECRA LabNet Use Only ↓																			
MATRIX CODES: S - Soil SO - 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 OC Chosen (✓)	Matrix	Date Collected	Time Collected															
				MS MSD																	
	011	RFW-1A			W	8/18/98															
	12	RFW-1B																			
	13	RFW-2A																			
	14	RFW-2B																			
	15	RFW-3B				8/19/98															
	16	RFW-4A																			
	17	RFW-4B																			
	18	RFW-6																			
19	RFW-7				8/18																
020	RFW-9				8/18																

Special Instructions: _____

DATE/REVISIONS:

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

RECRA LabNet Use Only

Samples were: _____ or _____
 1) Shipped _____ or _____
 Hand Delivered _____

Airbill # _____

2) Ambient or Chilled _____

3) Received in Good Condition Y or N _____

4) Labels Indicate Properly Preserved _____ or N _____

5) Received Within Holding Times _____ Y or N _____

COC Tape was:
 1) Present on Outer Package Y or N _____

2) Unbroken on Outer Package Y or N _____

3) Present on Sample Y or N _____

4) Unbroken on Sample Y or N _____

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

Cooler Temp _____

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	11/45					

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

NOTES: _____

RECRA LabNet Use Only
 9808L 405 8/20/98

Custody Transfer Record/Lab Work Request Page 3 of 4



FIELD PERSONNEL: COMPLETE ONLY SHAPED AREAS

Client BTD	Refrigerator #	
Est. Final Proj. Sampling Date	#/Type Container	Liquid Z
Project # D3501-004-001	Solid	
Project Contact/Phone # Greg F	Volume	Liquid 4m
RECRA Project Manager Mike Young	Solid	
QC Del TAP	Preservatives	HCl

Date Rec'd 8/20/98	Date Due	
Account #	ANALYSES REQUESTED	

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	ORGANIC						INORG	
			MS	MSD				VOA	BNA	Pest/PCB	Herb	Metal	CN		
			RECRA LabNet Use Only												
	021	RFW-10			N	8/19/98									
	22	RFW-11A													
	23	RFW-11B Dup													
	24	RFW-11B													
	25	RFW-12B													
	26	RFW-13													
	27	RFW-16													
	28	RFW-17				8/18/98									
	29	RFW-18													
	030	RFW-19													

Special Instructions:

DATE/REVISIONS:

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RECRA LabNet Use Only

Samples were: 1) Shipped or Hand Delivered	COC Tape was: 1) Present on Outer Package Y or N
Airbill #	2) Unbroken on Outer Package Y or N
2) Ambient or Chilled	3) Present on Sample Y or N
3) Received in Good Condition Y or N	4) Unbroken on Sample Y or N
4) Labels Indicate Properly Preserved Y or N	COC Record Present Upon Sample Rec't Y or N
5) Received Within Holding Times Y or N	Cool Temp

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	8/20/98	1145				

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

071

See bottles

08/20/98

6

