

**ANNUAL REPORT**

Prepared for

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

Prepared by

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West Chester, Pennsylvania 19380-1499

July 2001

W.O. No. 02501.004.003.0200

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## 1. INTRODUCTION

This Annual Report has been prepared to meet the requirements of Condition IV.L 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) and the Addendum to Administrative Consent Order dated 29 June 1995. Specifically, Condition IV.L calls for preparation of an Annual Report containing a summary of the information contained in the Discharge Monitoring Reports (Table 2-3), a summary of all analyses of water samples (Tables 2-4 to 2-7), an explanation of all problems encountered and the manner in which they were resolved (Table 3-1), a performance evaluation of the treatment system (Section 4), and recommendations for continuation of, or changes to, the treatment system (Section 5). This document is one of several that 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.

## **2. SITE CHARACTERISTICS**

### **2.1 HYDRAULIC PROPERTIES**

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black & Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of July 2000 through June 2001.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. Copies of the Withdrawal Reports, for the periods of July through December 2000 and January through June 2001, are included in Appendix A.

Water levels (Water Level Monitoring Report) for wells included in the water level monitoring plan are presented in Table 2-2. Based on the June 2001 water levels, a representative groundwater elevation contour map under pumping conditions is presented in Figure 2-1. At the time the data were collected, the extraction wells were pumping at a combined rate of approximately 158 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 2000 through June 2001 are included in Appendix B.

### **2.3 GROUNDWATER QUALITY DATA**

For the reporting period of July 2000 through June 2001, approximately 342 pounds (lb) of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs were comprised of trichloroethene (TCE) (77%), tetrachloroethene (PCE) (23%). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July 2000 through June 2001 are included in Appendix C.

A summary of the analytical results of the groundwater samples collected from the monitor and extraction wells during the third and fourth quarters of 2000 and the first and second quarters of

**Table 2-1**  
**Treatment System Pumping Records**  
**(July 2000 through June 2001)**

**Black & Decker**  
**Hampstead, Maryland**

<b>Date</b>	<b>Water Pumped (gallons)</b>
July 2000	6,224,610
August 2000	6,093,586
September 2000	6,405,398
October 2000	6,446,345
November 2000	6,127,766
December 2000	5,761,130
January 2001	5,780,670
February 2001	5,217,969
March 2001	5,758,714
April 2001	5,801,966
May 2001	6,882,622
June 2001	6,380,611

**Table 2-2**  
**Groundwater Elevation Data (July 2000 through June 2001)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	7/28/00		8/07/00		9/29/00		10/25/00	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	--	DRY	--	DRY	--	DRY	--
EW-2	849.21	110	106.00	743.21	106.00	743.21	106.00	743.21	106.00	743.21
EW-3	846.64	118	91.36	755.28	90.26	756.38	90.81	755.83	87.69	758.95
EW-4	858.01	97.5	--	--	--	--	--	--	--	--
EW-5	864.17	98	86.43	777.74	87.26	776.91	87.95	776.22	89.43	774.74
EW-6	831.98	115	57.78	774.20	57.87	774.11	58.43	773.55	58.26	773.72
EW-7	818.38	78	51.70	766.68	50.98	767.40	50.65	767.73	49.41	768.97
EW-8	811.13	98	74.51	736.62	75.02	736.11	74.89	736.24	69.42	741.71
EW-9	811.35	141	101.84	709.51	102.00	709.35	101.50	709.85	97.52	713.83
EW-10	807.74	NA	56.83	750.91	56.43	751.31	56.39	751.35	53.48	754.26
RFW-1A	864.37	78	50.43	813.94	50.85	813.52	52.61	811.76	52.68	811.69
RFW-1B	864.23	200	50.46	813.77	50.87	813.36	52.64	811.59	52.69	811.54
RFW-2A	857.41	35	13.97	843.44	15.21	842.20	15.84	841.57	16.00	841.41
RFW-2B	857.73	75	14.34	843.39	15.89	841.84	16.36	841.37	16.29	841.44
RFW-3B	839.21	153	30.84	808.37	32.58	806.63	35.03	804.18	35.37	803.84
RFW-4A	830.37	62	36.76	793.61	36.45	793.92	37.27	793.10	37.83	792.54
RFW-4B	830.37	120	36.71	793.66	36.33	794.04	37.14	793.23	37.70	792.67
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	1.63	783.41	2.71	782.33	2.13	782.91	2.47	782.57
RFW-7	805.14	29	7.11	798.03	6.84	798.30	6.89	798.25	6.94	798.20
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	26.32	835.70	26.67	835.35	27.38	834.64	27.36	834.66
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	70.22	779.10	70.12	779.20	71.56	777.76	NA	--
RFW-11B	849.62	116	77.12	772.50	77.62	772.00	78.56	771.06	78.50	771.12
RFW-12B	844.87	264	54.73	790.14	54.12	790.75	78.58	766.29	56.21	788.66
RFW-13	849.11	150	60.89	788.22	59.24	789.87	56.00	793.11	63.34	785.77
RFW-14B	812.39	281	47.13	765.26	46.97	765.42	63.31	749.08	50.01	762.38
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	27.17	807.49	28.90	805.76	29.02	805.64	29.08	805.58
RFW-20	842.29	142	33.88	808.41	36.08	806.21	37.21	805.08	37.43	804.86
RFW-21	832.65	102	21.23	811.42	22.04	810.61	22.85	809.80	23.13	809.52
PH-7	805.94	89	26.51	779.43	29.43	776.51	36.27	769.67	36.21	769.73
PH-9	814.94	98	36.43	778.51	38.65	776.29	43.22	771.72	43.24	771.70
PH-11	820.68	78	39.28	781.40	40.08	780.60	37.83	782.85	37.67	783.01
PH-12	828.35	87	46.11	782.24	47.24	781.11	47.07	781.28	47.81	780.54
B-3	803.02	83	6.67	796.35	6.98	796.04	6.98	796.04	6.47	796.55
Amoco	842.29	NA	28.41	813.88	28.64	813.65	28.64	813.65	28.57	813.72
Hamp. Town #22	NA	NA	1.24	--	0.73	--	0.73	--	0.73	--
Pembroke #1	NA	NA	11.71	--	11.43	--	11.43	--	11.84	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	10.12	--	10.87	--	10.87	--	9.95	--
E. Century St.	NA	NA	11.26	--	11.24	--	11.24	--	11.18	--
Lwr. Beckleys. Rd.	NA	NA	55.71	--	55.83	--	55.83	--	56.17	--

Notes: DTW - Depth to water (ft below top of well casing)  
ELEV - Groundwater elevation (ft above mean sea level)  
NA - Not Available/Not Accessible

**Table 2-2 (Continued)**  
**Groundwater Elevation Data (July 2000 through June 2001)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	11/20/00		12/19/00		1/31/01		2/13/01	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	--	DRY	--	DRY	--	DRY	--
EW-2	849.21	110	106.00	743.21	106.00	743.21	91.49	757.72	83.23	765.98
EW-3	846.64	118	84.54	762.10	85.34	761.30	76.43	770.21	83.97	762.67
EW-4	858.01	97.5	--	--	--	--	--	--	--	--
EW-5	864.17	98	88.15	776.02	88.23	775.94	85.84	778.33	87.95	776.22
EW-6	831.98	115	57.21	774.77	57.35	774.63	48.36	783.62	59.02	772.96
EW-7	818.38	78	47.32	771.06	48.46	769.92	53.21	765.17	50.14	768.24
EW-8	811.13	98	69.37	741.76	70.10	741.03	80.43	730.70	78.17	732.96
EW-9	811.35	141	98.01	713.34	98.62	712.73	102.00	709.35	100.35	711.00
EW-10	807.74	NA	53.86	753.88	53.79	753.95	53.41	754.33	53.85	753.89
RFW-1A	864.37	78	52.71	811.66	52.46	811.91	53.07	811.30	53.58	810.79
RFW-1B	864.23	200	52.75	811.48	52.61	811.62	53.09	811.14	53.64	810.59
RFW-2A	857.41	35	16.69	840.72	16.83	840.58	14.89	842.52	16.17	841.24
RFW-2B	857.73	75	18.43	839.30	18.57	839.16	15.20	842.53	16.80	840.93
RFW-3B	839.21	153	36.02	803.19	36.23	802.98	34.61	804.60	36.13	803.08
RFW-4A	830.37	62	38.81	791.56	38.93	791.44	38.91	791.46	38.51	791.86
RFW-4B	830.37	120	38.62	791.75	38.78	791.59	38.84	791.53	38.35	792.02
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	4.52	780.52	0.99	784.05	1.83	783.21	3.06	781.98
RFW-7	805.14	29	8.88	796.26	7.21	797.93	6.78	798.36	7.01	798.13
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	27.33	834.69	27.56	834.46	27.13	834.89	26.92	835.10
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	NA	--	NA	--	NA	--	NA	--
RFW-11B	849.62	116	77.17	772.45	78.24	771.38	72.68	776.94	64.36	785.26
RFW-12B	844.87	264	54.84	790.03	56.69	788.18	56.11	788.76	53.99	790.88
RFW-13	849.11	150	62.47	786.64	63.25	785.86	63.81	785.30	63.91	785.20
RFW-14B	812.39	281	45.26	767.13	45.49	766.90	48.88	763.51	48.73	763.66
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	28.98	805.68	29.34	805.32	28.47	806.19	28.73	805.93
RFW-20	842.29	142	36.83	805.46	36.92	805.37	36.89	805.40	36.46	805.83
RFW-21	832.65	102	23.08	809.57	23.21	809.44	22.84	809.81	22.80	809.85
PH-7	805.94	89	35.56	770.38	35.63	770.31	35.89	770.05	35.63	770.31
PH-9	814.94	98	41.67	773.27	41.90	773.04	43.28	771.66	24.36	790.58
PH-11	820.68	78	40.82	779.86	41.11	779.57	37.97	782.71	39.87	780.81
PH-12	828.35	87	47.83	780.52	48.01	780.34	47.43	780.92	47.79	780.56
B-3	803.02	83	6.87	796.15	7.35	795.67	6.84	796.18	6.92	796.10
Amoco	842.29	NA	25.87	816.42	26.52	815.77	28.13	814.16	28.04	814.25
Hamp. Town #22	NA	NA	1.23	--	1.21	--	--	--	0.97	--
Pembroke #1	NA	NA	10.94	--	11.08	--	11.43	--	12.11	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	9.83	--	9.87	--	9.67	--	10.27	--
E. Century St.	NA	NA	11.12	--	11.19	--	11.21	--	11.19	--
Lwr. Beckleys. Rd.	NA	NA	56.23	--	56.35	--	55.91	--	55.88	--

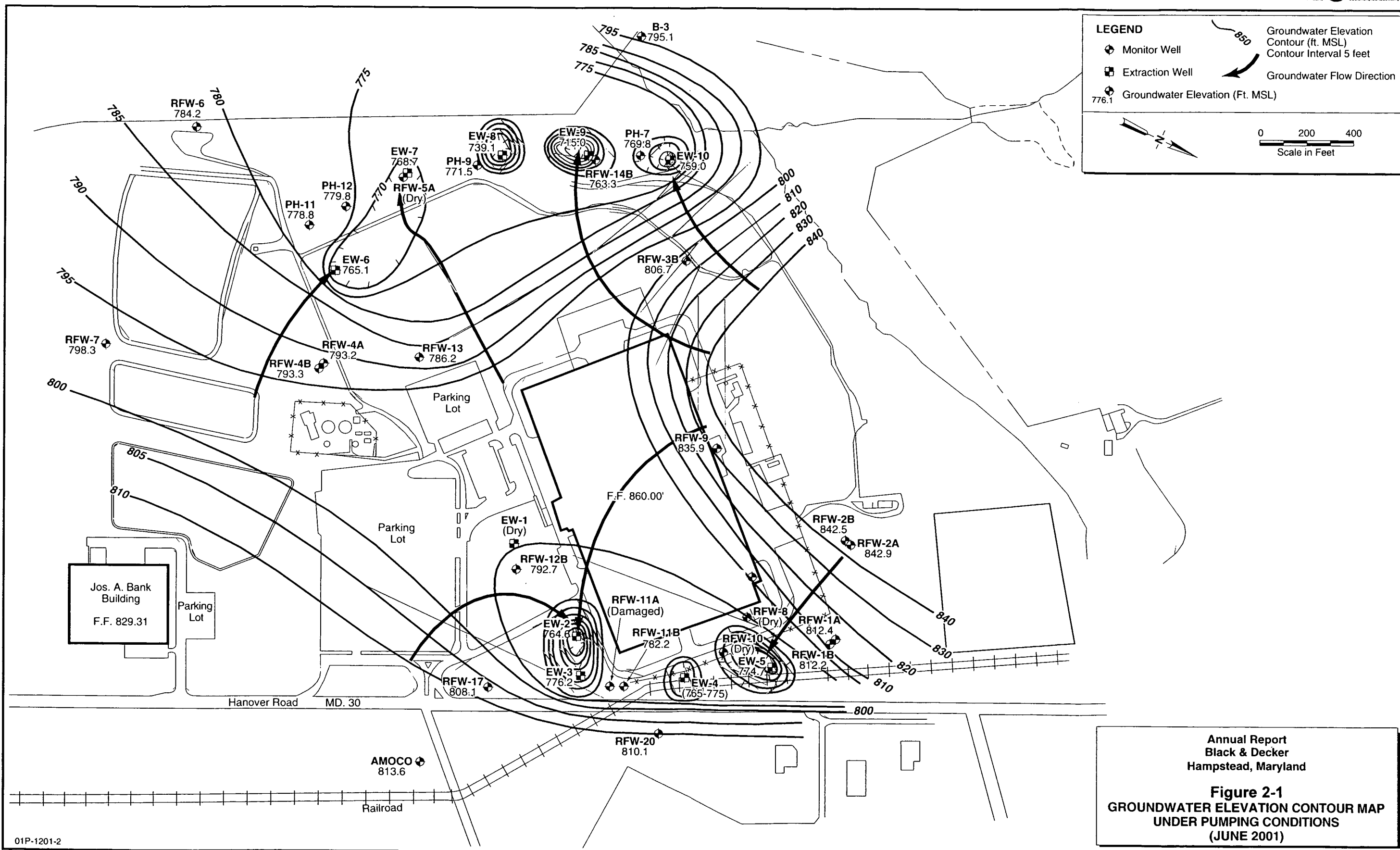
Notes: DTW - Depth to water (ft below top of well casing)  
ELEV - Groundwater elevation (ft above mean sea level)  
NA - Not Available/Not Accessible



**Table 2-2 (Continued)**  
**Groundwater Elevation Data (July 2000 through June 2001)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	3/16/01		4/25/01		5/15/01		6/12/01	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	--	DRY	--	DRY	--	DRY	--
EW-2	849.21	110	94.24	754.97	91.88	757.33	84.65	764.56	87.43	761.78
EW-3	846.64	118	58.04	788.60	57.50	789.14	70.46	776.18	75.24	771.40
EW-4	858.01	97.5	--	--	--	--	--	--	--	--
EW-5	864.17	98	88.17	776.00	89.31	774.86	89.61	774.56	89.43	774.74
EW-6	831.98	115	61.20	770.78	60.28	771.70	66.85	765.13	64.89	767.09
EW-7	818.38	78	51.67	766.71	51.77	766.61	49.72	768.66	50.41	767.97
EW-8	811.13	98	79.34	731.79	79.37	731.76	72.02	739.11	73.06	738.07
EW-9	811.35	141	102.00	709.35	98.97	712.38	96.35	715.00	97.48	713.87
EW-10	807.74	NA	54.63	753.11	54.49	753.25	48.75	758.99	49.79	757.95
RFW-1A	864.37	78	53.35	811.02	53.63	810.74	51.89	812.48	52.02	812.35
RFW-1B	864.23	200	53.36	810.87	53.65	810.58	51.96	812.27	52.08	812.15
RFW-2A	857.41	35	16.73	840.68	15.83	841.58	14.54	842.87	14.55	842.86
RFW-2B	857.73	75	17.21	840.52	16.07	841.66	15.23	842.50	15.20	842.53
RFW-3B	839.21	153	36.89	802.32	36.21	803.00	32.59	806.62	32.52	806.69
RFW-4A	830.37	62	38.26	792.11	38.37	792.00	37.29	793.08	37.19	793.18
RFW-4B	830.37	120	38.12	792.25	38.26	792.11	37.11	793.26	37.06	793.31
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	1.26	783.78	1.92	783.12	3.84	781.20	0.89	784.15
RFW-7	805.14	29	7.87	797.27	7.04	798.10	7.41	797.73	6.87	798.27
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	26.57	835.45	26.74	835.28	27.96	834.06	26.09	835.93
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	NA	--	NA	--	NA	--	NA	--
RFW-11B	849.62	116	66.62	783.00	65.41	784.21	67.29	782.33	67.41	782.21
RFW-12B	844.87	264	54.43	790.44	54.17	790.70	51.28	793.59	53.19	792.74
RFW-13	849.11	150	64.41	784.70	63.74	785.37	63.31	785.80	62.96	786.15
RFW-14B	812.39	281	50.11	762.28	48.78	763.61	46.94	765.45	49.11	763.28
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	28.99	805.67	28.74	805.92	25.79	808.87	26.57	808.09
RFW-20	842.29	142	36.38	805.91	34.51	807.78	33.82	808.47	34.54	810.08
RFW-21	832.65	102	22.61	810.04	22.04	810.61	21.21	811.44	21.26	813.57
PH-7	805.94	89	36.84	769.10	36.23	769.71	35.87	770.07	36.12	769.82
PH-9	814.94	98	42.87	772.07	44.45	770.49	43.49	771.45	43.41	771.53
PH-11	820.68	78	39.21	781.47	40.21	780.47	42.04	778.64	41.86	778.82
PH-12	828.35	87	47.83	780.52	47.86	780.49	48.64	779.71	48.59	779.76
B-3	803.02	83	7.43	795.59	6.99	796.03	7.27	795.75	7.93	795.09
Amoco	842.29	NA	28.94	813.35	28.83	--	28.73	813.56	28.69	813.60
Hamp. Town #22	NA	NA	0.73	--	0.89	--	0.81	--	--	--
Pembroke #1	NA	NA	11.38	--	11.59	--	11.87	--	10.86	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	9.86	--	10.08	--	10.15	--	9.74	--
E. Century St.	NA	NA	11.16	--	11.19	--	11.17	--	--	--
Lwr. Beckleys. Rd.	NA	NA	56.14	--	56.27	--	55.89	--	55.89	--

Notes: DTW - Depth to water (ft below top of well casing)  
ELEV - Groundwater elevation (ft above mean sea level)  
NA - Not Available/Not Accessible



Annual Report  
Black & Decker  
Hampstead, Maryland

**Figure 2-1**  
**GROUNDWATER ELEVATION CONTOUR MAP**  
**UNDER PUMPING CONDITIONS**  
**(JUNE 2001)**

**Table 2-3**  
**Effluent Characteristics Summary (July 2000 through June 2001)**  
**Black & Decker**  
**Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				July 2000	August 2000	September 2000	October 2000	November 2000	December 2000	
001	FLOW	average	MGD	NA	0.202	0.212	0.212	0.184	0.096	0.082
		maximum	MGD	NA	0.940	0.822	0.822	0.258	0.115	0.140
	1,1,1-Trichloroethane	ug/l	5	< 5	< 5	< 5	< 5	< 5	< 5	
	Tetrachloroethylene	ug/l	5	< 5	< 5	< 5	< 5	< 5	< 5	
	Trichloroethylene	ug/l	5	< 5	< 5	< 5	< 5	< 5	< 5	
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	Oil & Grease	maximum	mg/l	15	< 5	< 5	< 5	< 5	< 5	< 5
		quarterly average	mg/l	10	NR	NR	<0.5	NR	NR	< 5
	pH	minimum	STD	6.0	6.31	6.83	6.83	6.35	7.05	6.86
		maximum	STD	8.5	8.40	7.80	7.80	8.34	7.40	7.63
	BOD	mg/l	15	3	2	2	3	3	3	4
TSS	maximum	mg/l	30	11	12	12	10	8	11	
	quarterly average	mg/l	20	NR	NR	NR	NR	NR	10	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.225	0.241	0.241	0.252	0.251	0.195
		maximum	MGD	NA	0.247	0.263	0.263	0.307	0.305	0.222
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.200	0.197	0.197	0.208	0.204	0.186
		maximum	MGD	NA	0.208	0.234	0.234	0.249	0.214	0.225
	1,1,1-Trichloroethane	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	
	Tetrachloroethylene	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	
	Trichloroethylene	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	

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

Table 2-3 (Continued)  
Effluent Characteristics Summary (July 2000 through June 2001)  
Black & Decker  
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE					
				January 2001	February 2001	March 2001	April 2001	May 2001	June 2001
001	FLOW average	MGD	NA	0.160	0.207	0.254	0.237	0.090	0.381
	FLOW maximum	MGD	NA	0.262	0.558	0.644	0.416	0.100	1.546
	1,1,1-Trichloroethane	ug/l	5	<5	<5	<5	<5	<5	<5
	Tetrachloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5
	Trichloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Oil & Grease maximum	mg/l	15	<5	<5	<5	<5	<5	<5
	Oil & Grease quarterly average	mg/l	10	NR	NR	<5	<5	NR	<5
	pH minimum	STD	6.0	6.15	6.14	6.40	6.68	6.91	6.98
	pH maximum	STD	8.5	8.14	8.02	7.39	8.26	7.31	8.36
	BOD	mg/l	15	2.9	2.9	2.8	2.2	6	4.9
TSS maximum	mg/l	30	5.5	2	2.9	4.8	5	8	
	TSS quarterly average	mg/l	20	NR	NR	3.5	NR	NR	14
101 (Monitoring Point)	FLOW average	MGD	NA	0.225	0.288	0.277	0.391	0.444	0.423
	FLOW maximum	MGD	NA	0.256	0.295	0.296	0.437	0.496	0.470
	Fecal Coliform	MPN/100ml	200	<2	<2	<2	<2	<2	<2
201 (Monitoring Point)	FLOW average	MGD	NA	0.186	0.186	0.186	0.193	0.222	0.213
	FLOW maximum	MGD	NA	0.211	0.215	0.210	0.237	0.261	0.246
	1,1,1-Trichloroethane	ug/l	NA	<5	<5	<5	<5	<5	<5
	Tetrachloroethylene	ug/l	NA	<5	<5	<5	<5	<5	<5
	Trichloroethylene	ug/l	NA	<5	<5	<5	<5	<5	<5

DMR - Discharge Monitoring Report

NA - Not Applicable

NR - Not Reported

2000 are included in Tables 2-4, 2-5, 2-6, and 2-7, respectively. As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentrations of TCE were detected in the groundwater samples collected from wells EW-2 and RFW-12B and the highest concentrations of PCE were detected in the groundwater samples collected from well EW-9. VOCs detected at lower concentrations included 1,2-dichloroethene and 1,1,1-trichloroethane. The remainder of VOCs present were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 2001 (May 2001) analytical data package is included in Appendix D. Analytical data packages for the remaining quarters are included in the respective Quarterly Groundwater Monitoring Reports.

Table 2-4

**Summary of Groundwater Analytical Results - August 2000**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	EW-1	EW-2 (20)	EW-3 (5)	EW-4 (10)	EW-5 (10)	EW-6	EW-7	EW-8 (1)	EW-9 (5)	EW-9 (DUP) (5)	EW-10	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	290 B	42 B	140 B	79 B	5 B	NS	5 B	34 B	39 B	6 B	10 B	11 B	6 B
Acetone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 B	10 U
Carbon Disulfide	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	2 J	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	25 U	50 U	50 U	1 J	NS	34	7 J	6 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	25 U	50 U	11 J	5 U	NS	1 J	25 U	25 U	5 U	5 U	5 U	1 J
Carbon Tetrachloride	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	1800	530	950	780	23	NS	23	11 J	10 J	5 U	5 U	5 U	6
Dibromochloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	1 J	25 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	2 J	10 U	10 U
2-Hexanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	130	18 J	47 J	39 J	65	NS	170	590	560	20	5 U	1 J	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U

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

J = Indicates an estimated value.

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

DUP = Duplicate sample

NS = Not sampled

(2.5) = Dilution factor.

Table 2-4

**Summary of Groundwater Analytical Results - August 2000**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4A (DUP)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B (10)
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Methylene Chloride	ug/L	11 B	6 B	6 B	11 B	10 B	NS	6 B	9 B	NS	9 B	NS	11 B	10 B	70 B
Acetone	ug/L	13 B	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,1-Dichloroethene	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	1 J	NS	5 U	5 U	50 U
1,1-Dichloroethane	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,2-Dichloroethene (total)	ug/L	5 U	30	3 J	3 J	8	NS	2 J	1 J	NS	6	NS	5 U	5 U	50 U
Chloroform	ug/L	5 U	5 U	2 J	2 J	1 J	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,2-Dichloroethane	ug/L	1 J	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
2-Butanone	ug/L	7 J	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
1,1,1-Trichloroethane	ug/L	5 U	3 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Trichloroethene	ug/L	2 J	23	78	82	21	NS	13	22	NS	30	NS	47	140	2200
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Benzene	ug/L	5 U	5 U	2 J	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Tetrachloroethene	ug/L	5 U	24	91	94	90	NS	13	1 J	NS	6	NS	2 J	4 J	100
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 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 2000**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-20	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	5 B	NS	6 B	6 B	10 B	1 JB	11 B	6 B	11 B	11 B	12 B	3 JB
Acetone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 JB	10 U
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J
1,1-Dichloroethene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	NS	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	20	NS	5 U	6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	83	NS	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	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 quaDUP = 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 2-5

**Summary of Groundwater Analytical Results - November 2000**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-9	EW-9 (DUP)	EW-10	RFW-1A	RFW-1B	RFW-2A
			(20)	(5)	(10)	(10)				(5)	(5)				
Chloromethane	ug/L	NS	200 U	50 U	100 U	40 J	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	160 B	48 B	90 B	200 B	9 B	21 B	20 B	54 B	55 B	7 B	8 B	7 B	9 B
Acetone	ug/L	NS	44 JB	15 JB	20 JB	49 JB	4 JB	4 JB	4 JB	23 JB	14 JB	5 JB	6 JB	6 JB	4 JB
Carbon Disulfide	ug/L	NS	100 U	5 J	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	1 J	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	2 J	2 J	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	25 U	50 U	50 U	1 J	10	36	6 J	6 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	25 U	50 U	12 J	5 U	1 J	1 J	25 U	25 U	5 U	5 U	1 J	1 J
Carbon Tetrachloride	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	1700	560	720	970	25	14	21	8 J	8 J	5 U	5 U	5 U	6
Dibromochloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	88 J	12 J	15 J	29 J	66	34	180	590	600	16	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U

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

J = Indicates an estimated value.

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

DUP = Duplicate sample

NS = Not sampled

(2.5) = Dilution factor.

**Table 2-5**  
**Summary of Groundwater Analytical Results - November 2000**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4A (DUP)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B (2)	RFW-12B (10)
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	20 U	100 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	20 U	100 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	20 U	100 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	20 U	100 U
Methylene Chloride	ug/L	6 B	8 B	5 JB	6 B	5 B	NS	4 JB	5 JB	NS	8 B	NS	8 B	13 B	120 B
Acetone	ug/L	5 JB	4 JB	2 JB	3 JB	4 JB	NS	5 JB	3 JB	NS	3 JB	NS	10 U	7 JB	62 JB
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
1,1-Dichloroethene	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	1 J	NS	5 U	10 U	50 U
1,1-Dichloroethane	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	5 U	10 U	50 U
1,2-Dichloroethene (total)	ug/L	5 U	32	3 J	2 J	6	NS	2 J	5 U	NS	10	NS	5 U	10 U	29 J
Chloroform	ug/L	5 U	5 U	2 J	2 J	1 J	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
1,2-Dichloroethane	ug/L	1 J	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	20 U	100 U
1,1,1-Trichloroethane	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	5 U	10 U	50 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Trichloroethene	ug/L	1 J	13	93	88	26	NS	11	11	NS	34	NS	120	210	1500
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	20 U	100 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	20 U	100 U
Tetrachloroethene	ug/L	5 U	14	94	91	81	NS	9	5 U	NS	8	NS	3 J	4 J	54 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	10 U	50 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.  
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DUP = Duplicate sample  
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 (2.5) = Dilution factor.

**Table 2-5**  
**Summary of Groundwater Analytical Results - November 2000**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-20	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	1 J	10 U	10 U	NS	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Methylene Chloride	ug/L	6 B	NS	10 B	10 B	10 B	7 B	9 B	5 JB	10 B	NS	10 B
Acetone	ug/L	8 JB	NS	4 JB	10 B	5 JB	3 JB	4 JB	3 JB	4 JB	NS	4 JB
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,1-Dichloroethene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,2-Dichloroethane	ug/L	5 U	NS	1 J	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Trichloroethene	ug/L	4 J	NS	5 U	4 J	5 U	5 U	5 U	5 U	5 U	NS	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Tetrachloroethene	ug/L	30	NS	5 U	5 U	5 U	5 U	5 U	1 J	5 U	NS	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quan  
DUP = Duplicate sam  
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 2-6  
 Summary of Groundwater Analytical Results - February 2001  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2 (20)	EW-3 (5)	EW-4 (10)	EW-5 (10)	EW-5 (DUP) (10)	EW-6	EW-7	EW-8	EW-9 (5)	EW-10	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	200 U	50 U	100 U	100 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	50 U	100 U	100 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	50 U	100 U	100 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	50 U	100 U	100 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	57 JB	27 B	52 B	91 B	91 B	1 JB	2 JB	5 U	9 JB	5 U	7 B	1 JB	7 B
Acetone	ug/L	NS	200 U	22 JB	41 JB	84 JB	98 JB	2 JB	2 JB	2 JB	50 U	2 JB	8 JB	3 JB	4 JB
Carbon Disulfide	ug/L	NS	100 U	25 U	50 U	50 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	25 U	50 U	50 U	50 U	5 U	1 J	5 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	50 U	5 U	2 J	2 J	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	25 U	50 U	50 U	50 U	5 U	9	36	5 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	25 U	50 U	50 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	25 U	50 U	50 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	50 U	100 U	100 U	100 U	10 U	10 U	10 U	50 U	10 U	2 J	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	50 U	5 U	5 U	1 J	25 U	5 U	5 U	5 U	1 J
Carbon Tetrachloride	ug/L	NS	100 U	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	1800	360	1200	720	710	14	14	22	9 J	5 U	5 U	5 U	5 J
Dibromochloromethane	ug/L	NS	100 U	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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	50 U	100 U	100 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	50 U	100 U	100 U	100 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	99 J	8 J	23 J	20 J	20 J	44	37	190	530	16	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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	25 U	50 U	50 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.

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DUP = Duplicate sample.

NS = Not sampled.

(2.5) = Dilution factor.

**Table 2-6 (Continued)**  
**Summary of Groundwater Analytical Results - February 2001**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-4B (DUP)	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B (5)
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Methylene Chloride	ug/L	8 B	3 JB	2 JB	5 B	4 JB	NS	3 JB	6 B	NS	7 B	NS	NS	7 B	19 JB
Acetone	ug/L	8 JB	6 JB	4 JB	6 JB	5 JB	NS	6 JB	5 JB	NS	4 JB	NS	NS	3 JB	50 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1-Dichloroethene	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1-Dichloroethane	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,2-Dichloroethene (total)	ug/L	5 U	32	2 J	8	8	NS	1 J	1 J	NS	3 J	NS	NS	5 U	29
Chloroform	ug/L	5 U	5 U	1 J	1 J	1 J	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,2-Dichloroethane	ug/L	1 J	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
2-Butanone	ug/L	2 J	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
1,1,1-Trichloroethane	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	NS	5 U	25 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Trichloroethene	ug/L	5 U	13	72	13	12	NS	5	8	NS	14	NS	NS	170	470
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Tetrachloroethene	ug/L	5 U	16	74	77	77	NS	5	5 U	NS	3 J	NS	NS	5 J	41
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 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 2-6 (Continued)  
 Summary of Groundwater Analytical Results - February 2001  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-20	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	7 B	NS	3 JB	3 JB	3 JB	3 JB	3 JB	1 JB	3 JB	3 JB	10 B
Acetone	ug/L	5 JB	NS	5 JB	5 JB	5 JB	3 JB	6 JB	3 JB	3 JB	3 JB	5 JB
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J
1,1-Dichloroethene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	NS	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	NS	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	15	NS	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	69	NS	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	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. 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 2-7  
 Summary of Groundwater Analytical Results - May 2001  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-9	EW-9 DUP (5)	EW-10	RFW-1A	RFW-1B	RFW-2A
			(10)	(5)	(10)	(10)				(5)					
Chloromethane	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	47 JB	24 JB	53 JB	43 JB	8 B	9 B	5 B	32 B	25 B	8 B	8 B	3 JB	8 B
Acetone	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	9 J	7 J	10 U
Carbon Disulfide	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	2 J	2 J	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	50 U	25 U	100 U	50 U	1 J	9	39	7 J	6 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	1 J	25 U	25 U	5 U	5 U	1 J	1 J
Carbon Tetrachloride	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	1700	390	2800	680	15	12	23	9 J	10 J	5 U	5 U	5 U	4 J
Dibromochloromethane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	100 U	50 U	200 U	100 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	96	15 J	82 J	31 J	38	27	160	540	530	13	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	50 U	25 U	100 U	50 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U	5 U

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

J = Indicates an estimated value.

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

DUP = Duplicate sample.

NS = Not sampled.

(2.5) = Dilution factor.

**Table 2-7 (Continued)**  
**Summary of Groundwater Analytical Results - May 2001**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-4B (DUP)	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B (5)
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Methylene Chloride	ug/L	8 B	4 JB	11 B	12 B	12 B	NS	3 JB	4 JB	NS	6 B	NS	NS	5 B	73 B
Acetone	ug/L	7 J	10	10 U	10 U	10 U	NS	7 J	10 U	NS	10 U	NS	NS	10 U	50 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1-Dichloroethene	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	1 J	NS	NS	5 U	25 U
1,1-Dichloroethane	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	NS	5 U	25 U
1,2-Dichloroethene (total)	ug/L	1 J	29	2 J	6	6	NS	2 J	5 U	NS	12	NS	NS	5 U	20 J
Chloroform	ug/L	5 U	5 U	1 J	1 J	1 J	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,2-Dichloroethane	ug/L	1 J	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
1,1,1-Trichloroethane	ug/L	5 U	3 J	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	NS	5 U	25 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Trichloroethene	ug/L	5 U	18	65	27	25	NS	11	14	NS	30	NS	NS	91	560
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Tetrachloroethene	ug/L	5 U	19	69	74	67	NS	12	5 U	NS	12	NS	NS	3 J	37
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 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 2-7 (Continued)  
 Summary of Groundwater Analytical Results - May 2001  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-20	RFW-21	Hamp #22	Hamp #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	4 JB	NS	4 JB	8 B	3 JB	5 JB	5 JB	1 JB	9 B	4 JB	7 B
Acetone	ug/L	10	NS	10 U	10 U	8 J	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	NS	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5	NS	5 U	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	32	NS	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	1 J	5 U	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. 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.

### 3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities that were undertaken with the extraction and treatment system during the reporting period (July 2000 through June 2001) 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 (July 2000 through June 2001)**  
**Black & Decker**  
**Hampstead, Maryland**

<b>Date</b>	<b>Event/Corrective Action</b>
<b>August 2000</b>	Replaced pump motor on EW-7. The well was bleached and put back on line.
<b>August 2000</b>	Pump in EW-4 was pulled; splines in the pump were worn out . Splines were replaced. Also replaced timer delay, and the control valve was cleaned out.
<b>September 2000</b>	Replaced relay to log valve in air stripper; replaced printer control board.
<b>December 2000</b>	Water leak in EW-3, had to replace gaskets in the well.
<b>January 2001</b>	EW-6 down. Installed new pump, motor, pipe and wire.
<b>March 2001</b>	Pump in EW-3 was pulled due to low flow. A hole was found at top of the pump. A new pump and motor were installed.
<b>April 2001</b>	EW-3 leaking at the plastic nipple at the well casing. Leak fixed, and the well put back on line.
<b>April 2001</b>	Pipe on EW -3 broke off at pitless adaptor; repaired it, and well put back on line.

#### 4. TREATMENT SYSTEM PERFORMANCE EVALUATION

During the reporting period of July 2000 to June 2001, depth-to-water measurements were collected in all site monitor wells on a monthly basis. Each month, a groundwater elevation contour map was constructed to verify that the groundwater extraction system was providing a hydraulic barrier to prevent any groundwater contamination from migrating off-site. Pumping rates were adjusted to ensure that hydraulic control was being maintained across the site. Significant drawdown has been observed in both shallow and deeper monitor wells throughout the long-term pumping of the extraction well system, indicating that considerable interconnection exists between the shallow and deeper groundwater.

As evidenced by the groundwater elevation contour map (Figure 2-1), groundwater flow is still principally to the southwest, with some components to the south and east. However, depressions in the groundwater surface, due to the pumping of the extraction wells, are evident on the map and the flow lines indicate that direction of groundwater flow is toward the extraction wells. The system as presently configured is successful in meeting the objective of capturing on-site groundwater, thereby eliminating the potential off-site migration of contaminated groundwater. The system is also successful in treating the collected groundwater to remove the VOCs from the water. The laboratory analysis results of the treated discharge water do not show the presence of VOCs.

## 5. RECOMMENDATIONS

As discussed in Section 4, the treatment system has created a hydraulic boundary that prevents the off-site migration of groundwater. The extraction system will continue to operate as currently configured to pump and treat contaminated groundwater. Depth-to-water measurements will continue to be collected on a monthly basis in all site monitor wells to construct a groundwater elevation contour map for the site. The groundwater elevation contour map will be used to verify that the required area of groundwater capture is being maintained. If necessary, pumping rates will be adjusted to maintain groundwater capture due to seasonal fluctuations in groundwater elevations. The treatment system will also continue to operate as currently configured, as data collected have proven that the treatment system is fully effective in removing VOCs from the extracted groundwater.

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**APPENDIX A**  
**WITHDRAWAL REPORTS**

---

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

MONTH / YEAR

PAST MONTH READING

April 01

543275200

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1				177642		
2	M	1100	543808127	169850	7376	7304
3	T	0950	543977977	181945	7376	7327
4	W	1040	544159922	166390	7376	7352
5	T	0900	544326312	185460	7376	7374
6	F	0945	544511772	↑	7376	7399
7						
8				563257		
9	M	1350	545075029	139410	7376	7475
10	T	0900	545214439	↑	7394	7495
11	W		↑	367469		
12	T	0955	545581908	↑	7444	7475
13	F					
14						
15				894415		
16	M	1000	546476323	** 206000	7540	7475
17	T	0820	* 24804	229708	7541	7488
18	W	0930	254512	↑	7541	7512
19	T			473414		
20	F	1200	727928	↑	7541	7562
21						
22				585710		
23	M	0950	1313638	181865	7541	7632
24	T	1000	1495503	185884	7565	7632
25	W	1030	11681389	193976	7590	7632
26	T	1200	1875365	↑	7615	7632
27	F					
28						
29				720369		
30	M	1105	2595734	179198	7711	7632
31						
Total				5801966		
Average				193399		

\* Breaker off at Bailer Room. All power was lost. Operators need themselves to zero.

\*\* 4-16-01 is estimated flow due to cutters resetting.

NEXT MONTH READING 2774932

DATE 5-1-01

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

MONTH / YEAR

May 2001

PAST MONTH READING

2595734

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1	T	1045	2774932	197554	7711	7655
2	W	0810	2972486	261303	7711	7677
3	T	1150	3233789	216484	7711	7704
4	F	1035	3450273	↑	7711	7727
5						
6				637779		
7	M	1100	4088052	230206	7711	7795
8	T	1125	4318258	217999	7735	7795
9	W	1100	4536257	228060	7759	7795
10	T	1055	4764317	↑	7783	7795
11	F					
12						
13				882292		
14	M	0955	5646609	225195	7877	7795
15	T	1005	5871804	225474	7877	7819
16	W	1020	6097278	206707	7877	7843
17	T	0840	6303985	249507	7877	7865
18	F	1110	6553492	↓	7877	7892
19						
20				655913		
21	M	0955	7209405	215494	7877	7963
22	T	0935	7424899	223677	7901	7963
23	W	0915	7648576	220393	7925	7963
24	T	0930	7868969	227649	7949	7963
25	F	1008	8096618	↑	7973	7963
26						
27						
28	M			904400		
29	T	1125	9001018	212319	8071	7963
30	W	1040	9213337	217303	8071	7986
31	T	1015	9430640	227324	8071	8010
Total				6882622		
Average				222020		

NEXT MONTH READING

9657964

DATE

6-1-01



MONTH / YEAR

June 2001

BLACK DECKER  
AIR STRIPPER # 2  
OPERATING RECORD

PAST MONTH READING

9430640

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1	F	1020	9657964	↑	8071	8034
2						
3				668709		
4	M	1055	10326673	220382	8071	8106
5	T	1040	10547055	221509	8095	8106
6	W	1050	10768564	225234	8119	8106
7	T	0840	10973798	243441	8141	8106
8	F	1135	11217239	↑	8187	8106
9						
10				645970		
11	M	0930	11863209	↑	8238	8106
12	T	1040			8238	8131
13	W	0915			8238	8154
14	T	1035			8238	8179
15	F	0855			8238	8202
16						
17						
18	M	0945			8238	8275
19	T	0800			8238	8297
20	W	0915			8238	8322
21	T	0920			8238	8346
22	F	1010			8238	8371
23						
24						
25	M	1025			8238	8443
26	T	1015			8262	8443
27	W	1125			8287	8443
28	T	1025			8310	8443
29	F	1135		4377600	8335	8443
30				4377600		
Σ						
Total				6,380,611		
Average				212,687		

6-17-01 No display on panel

NEXT MONTH READING NONE

DATE July 1

\* 16240809 estimated reading from avg. 152 gpm all month.

---

**APPENDIX B**  
**DISCHARGE MONITORING REPORTS**

---

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

NAME: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-18)

(17-18)

MONITORING PERIOD

FROM YEAR **2001** MO **04** DAY **01** TO YEAR **01** MO **04** DAY **30**

FORM APPROVED

OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (#2-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.237	0.416	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	ppb		1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	2/MONTH GRAB	
	PERMIT REQUIREMENT						<0.1	mg/l		1/MONTH GRAB	
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH GRAB	
	PERMIT REQUIREMENT					10	15	mg/l		1/MONTH GRAB	
pH	SAMPLE MEASUREMENT				6.88		8.26		0	2/WEEK GRAB	
	PERMIT REQUIREMENT				6.00		8.50	STD		2/WEEK GRAB	

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

**Henry C Suominen, Jr.**  
**AG/GFI Manger**

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.)

*Earl Wedder*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-374-9025

AREA CODE-NUMBER

DATE

01 | 05 | 02

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

\*Averages for TSS and Oil & Grease are reported quarterly.

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

NAME: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland, 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-10)

(17-10)

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2001	04	01		01	04	30
	(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)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT									0	1/MONTH	GRAB
	PERMIT REQUIREMENT											
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT									0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30					
	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.)	<i>Earl Weddle</i>	TELEPHONE	DATE
Henry C Suominen, Jr. AG/GFI Manger			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	410-374-9025
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: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

**MD0001881**  
 PERMIT NUMBER

**101**  
 DISCHARGE NUMBER

**MONITORING PERIOD**

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
2001	04	01	01	04	30
(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)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.391	0.437	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				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**Henry C Suominen, Jr.**  
**AG/GFI Manger**  
 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 maximums imprisonment of between 6 months and 5 years.)

*Earl Weddle*  
 SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**410-374-9025**  
 AREA CODE-NUMBER

DATE  
**01 | 05 | 02**  
 YEAR | MO | DAY

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

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

NAME: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

**MD0001881**  
 PERMIT NUMBER  
 (2-16)

**201**  
 DISCHARGE NUMBER  
 (17-18)

FORM APPROVED  
 OMB No. 2040-0004

MONITORING PERIOD

FROM: YEAR **2001** MO **04** DAY **01** TO: YEAR **01** MO **04** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW	SAMPLE MEASUREMENT	0.193	0.237	MGD				0	Cont Measure/Record		
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**Henry C Suominen, Jr.**  
**AG/GFI Manger**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON; 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 19 U.S.C. § 1091 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.)

*Earl Weddler*  
 SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE: **410-374-9025**  
 DATE: **01 | 05 | 02**  
 AREA CODE-NUMBER: **410-374-9025**  
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

NAME: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

**MD0001881** **001**  
 PERMIT NUMBER DISCHARGE NUMBER  
 (2-15) (17-19)

FORM APPROVED  
 OMB No. 2040-0004

MONITORING PERIOD  
 FROM YEAR MO DAY TO YEAR MO DAY  
 2001 05 01 20 01 05 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 (63-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-72)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
FLOW	SAMPLE MEASUREMENT	0.000	0.100	MGD					0	Measured/Recorded		
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT									
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	2/MONTH	GRAB	
	PERMIT REQUIREMENT						<0.1	mg/l		1/MONTH	GRAB	
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT					10	15	mg/l		1/MONTH	GRAB	
pH	SAMPLE MEASUREMENT				6.91		7.31		0	2/WEEK	GRAB	
	PERMIT REQUIREMENT				6.00		8.00	STD		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 DUTY OR THAT 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 23 U.S.C. § 1519. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE	
Henry C Suominen, Jr. AG/GFI Manger									410-374-9025		01   06   04	
TYPED OR PRINTED									AREA CODE-NUMBER		YEAR   MO   DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS		(Reference all attachments here)										

\*Averages for TSS and Oil & Grease are reported quarterly.

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

NAME: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland, 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-18)

MONITORING PERIOD


FROM 

YEAR	MO	DAY
2001	05	01

 TO 

YEAR	MO	DAY
01	05	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (48-53)			(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						6.0		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						15	mg/l		1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						5.0		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										
	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 19 U.S.C. § 1981 AND 23 U.S.C. § 1919. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Henry C Suominen, Jr. AG/GFI Manger							 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		410-374-8025		01   06   04
TYPED OR PRINTED							AREA CODE-NUMBER		YEAR   MO   DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

\*Averages for TSS and Oil & Grease are reported quarterly.

EPA Form 3320-1 (Rev. 9-88) Previous edition to be used until supply is exhausted.

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



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

NAME: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

<b>MD0001881</b>	<b>101</b>
PERMIT NUMBER	DISCHARGE NUMBER
(2-10)	(17-18)

FORM APPROVED  
 OMB No. 20-40-0004

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2001	05	01		01	05	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 (42-53)			(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	0.444	0.498	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	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 16 U.S.C. § 1361 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	<i>Earl Waddell</i>	TELEPHONE	DATE
Henry C Suominen, Jr. AG/GFI Manger			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	410-374-8025
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: AG/GFI Hampstead, Inc.  
 ADDRESS: 133 Pearl Street  
 Suite 400  
 Boston, MA 02110

FACILITY: Hampstead, Maryland 21074

LOCATION: CARROLL COUNTY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881 201  
 PERMIT NUMBER DISCHARGE NUMBER  
 (2-16) (17-18)

FORM APPROVED  
 OMB No. 2040-0004

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2001	05	01	01	05	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FROM

TO

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (48-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.222	0.261	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  
 Henry C Suominen, Jr.  
 AG/GFI Manger  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON, 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 19 U.S.C. § 1991 AND 23 U.S.C. § 1319. (Penalties under Clean Air Act may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*Emil Weddle*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 410-374-9025  
 DATE 01 | 06 | 04  
 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: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

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

FORM APPROVED  
 OMB No. 2040-0004

**MD0001881** **001**  
 PERMIT NUMBER DISCHARGE NUMBER  
 (2-10) (17-19)

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
2001	06	01	01	06	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (48-53)			QUALITY OR CONCENTRATION (4 Card Only)			NO. EX (62-64)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.381	1.548	MGD				0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5		1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5		1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5		1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	0	2/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1		1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10		1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.98		8.38	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				5.00		8.00		2/WEEK	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

**Henry C Suominen, Jr.**  
**AG/GFI Manger**

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON, 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 10 U.S.C. § 1091 AND 33 U.S.C. § 1315. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*Earl Weddles*

SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-374-9025

AREA CODE-NUMBER

DATE

01 | 07 | 02

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

\*Averages for TSS and Oil & Grease are reported quarterly.

EPA Form 3320-1 (Rev. 9-88) Previous edition to be used until supply is exhausted.

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

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

NAME: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland, 21074**

LOCATION: **CARROLL COUNTY**

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

**MD0001881** **001**  
 PERMIT NUMBER DISCHARGE NUMBER

(2-16) (17-18)

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2001	06	01	01	06	30

FROM (20-21) (22-23) (24-25) TO (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)			QUALITY OR CONCENTRATION (4 Card Only)				NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (68-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD	SAMPLE MEASUREMENT								0	1/MONTH	GRAB
	PERMIT REQUIREMENT										
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					8.0	14.0		0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30	mg/l			
	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 DUE DILIGENCE 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>Earl Westde</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Henry C Suominen, Jr. AG/GFI Manger			410-374-9025	01   07   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: **AG/GFI Hampstead, Inc.**  
 ADDRESS: **133 Pearl Street**  
**Suite 400**  
**Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

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

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2001	06	01	01	06	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FORM APPROVED  
 OMB No. 20-40-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (67-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.423	0.470	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 DUTY 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 23 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			
Henry C Suominen, Jr. AG/GFI Manger						410-374-9025		01   07   02			
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: AG/GFI Hampstead, Inc.  
 ADDRESS: 133 Pearl Street  
 Suite 400  
 Boston, MA 02110

FACILITY: Hampstead, Maryland 21074

LOCATION: CARROLL COUNTY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881  
 PERMIT NUMBER

201  
 DISCHARGE NUMBER

FORM APPROVED

OMB No.2040-0004

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
2001	06	01	01	06	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FROM TO

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.213	0.246	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						NA			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						NA			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						NA			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  Henry C Suominen, Jr. AG/GFI Manger  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.)	TELEPHONE  410-374-8025  AREA CODE NUMBER	DATE  01   07   02  YEAR   MO   DAY

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

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**APPENDIX C**  
**GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS**

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# Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.  
(410) 633-5443

www.gascoyne.com

## REPORT OF ANALYSIS

### Test Results

Page 4

Client: AG/GFI Hampstead Client Sample ID: Air Stripper 2(Pre)  
Report No: 0104078 Lab ID: 0104078-002  
Project: Hampstead Collection Date: 04/04/2001 9:10  
Matrix: WASTEWATER

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
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#### VOLATILE ORGANIC COMPOUNDS (EPA 624)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst: NA

1,2-Dichlorobenzene	< 5.0	5.0	µg/L	04/08/2001 21:54
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	04/08/2001 21:54
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	04/08/2001 21:54
Chloromethane	< 10	10	µg/L	04/08/2001 21:54
Vinyl chloride	< 10	10	µg/L	04/08/2001 21:54
Bromomethane	< 10	10	µg/L	04/08/2001 21:54
Chloroethane	< 10	10	µg/L	04/08/2001 21:54
Acrolein	< 100	100	µg/L	04/08/2001 21:54
1,1-Dichloroethene	< 5.0	5.0	µg/L	04/08/2001 21:54
Methylene chloride	< 5.0	5.0	µg/L	04/08/2001 21:54
Acrylonitrile	< 100	100	µg/L	04/08/2001 21:54
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	04/08/2001 21:54
1,1-Dichloroethane	< 5.0	5.0	µg/L	04/08/2001 21:54
Chloroform	< 5.0	5.0	µg/L	04/08/2001 21:54
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	04/08/2001 21:54
Carbon tetrachloride	< 5.0	5.0	µg/L	04/08/2001 21:54
Benzene	< 5.0	5.0	µg/L	04/08/2001 21:54
1,2-Dichloroethane	< 5.0	5.0	µg/L	04/08/2001 21:54
Trichloroethene	340	25	µg/L	04/08/2001 21:23
1,2-Dichloropropane	< 5.0	5.0	µg/L	04/08/2001 21:54
Bromodichloromethane	< 5.0	5.0	µg/L	04/08/2001 21:54
2-Chloroethyl vinyl ether	< 10	10	µg/L	04/08/2001 21:54
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	04/08/2001 21:54
Toluene	< 5.0	5.0	µg/L	04/08/2001 21:54
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	04/08/2001 21:54
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	04/08/2001 21:54
Tetrachloroethene	120	5.0	µg/L	04/08/2001 21:54
Dibromochloromethane	< 5.0	5.0	µg/L	04/08/2001 21:54
Chlorobenzene	< 5.0	5.0	µg/L	04/08/2001 21:54
Ethylbenzene	< 5.0	5.0	µg/L	04/08/2001 21:54
Bromoform	< 5.0	5.0	µg/L	04/08/2001 21:54



# Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.  
(410) 633-5443

www.gascoyne.com

## REPORT OF ANALYSIS

### Test Results

Page 5

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<b>Client:</b>	AG/GFI Hampstead	<b>Client Sample ID:</b>	Air Stripper 2(Pre)
<b>Report No:</b>	0104078	<b>Lab ID:</b>	0104078-002
<b>Project:</b>	Hampstead	<b>Collection Date:</b>	04/04/2001 9:10
<b>Matrix:</b>	WASTEWATER		

---

<b>Analyses</b>	<b>Test Results</b>	<b>Reporting Limit</b>	<b>Units</b>	<b>Date/Time Analyzed</b>
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	04/08/2001 21:54

---

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

# Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.  
(410) 633-5443

www.gascoyne.com

## REPORT OF ANALYSIS

### Test Results

Page 6

**Client:** AG/GFI Hampstead **Client Sample ID:** Outfall 201 (Post)  
**Report No:** 0104078  
**Project:** Hampstead **Lab ID:** 0104078-003  
**Matrix:** WASTEWATER **Collection Date:** 04/04/2001 9:11

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
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#### VOLATILE ORGANIC COMPOUNDS (EPA 624)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst: NA

1,2-Dichlorobenzene	< 5.0	5.0	µg/L	04/08/2001 22:26
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	04/08/2001 22:26
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	04/08/2001 22:26
Chloromethane	< 10	10	µg/L	04/08/2001 22:26
Vinyl chloride	< 10	10	µg/L	04/08/2001 22:26
Bromomethane	< 10	10	µg/L	04/08/2001 22:26
Chloroethane	< 10	10	µg/L	04/08/2001 22:26
Acrolein	< 100	100	µg/L	04/08/2001 22:26
1,1-Dichloroethene	< 5.0	5.0	µg/L	04/08/2001 22:26
Methylene chloride	< 5.0	5.0	µg/L	04/08/2001 22:26
Acrylonitrile	< 100	100	µg/L	04/08/2001 22:26
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	04/08/2001 22:26
1,1-Dichloroethane	< 5.0	5.0	µg/L	04/08/2001 22:26
Chloroform	< 5.0	5.0	µg/L	04/08/2001 22:26
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	04/08/2001 22:26
Carbon tetrachloride	< 5.0	5.0	µg/L	04/08/2001 22:26
Benzene	< 5.0	5.0	µg/L	04/08/2001 22:26
1,2-Dichloroethane	< 5.0	5.0	µg/L	04/08/2001 22:26
Trichloroethene	< 5.0	5.0	µg/L	04/08/2001 22:26
1,2-Dichloropropane	< 5.0	5.0	µg/L	04/08/2001 22:26
Bromodichloromethane	< 5.0	5.0	µg/L	04/08/2001 22:26
2-Chloroethyl vinyl ether	< 10	10	µg/L	04/08/2001 22:26
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	04/08/2001 22:26
Toluene	< 5.0	5.0	µg/L	04/08/2001 22:26
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	04/08/2001 22:26
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	04/08/2001 22:26
Tetrachloroethene	< 5.0	5.0	µg/L	04/08/2001 22:26
Dibromochloromethane	< 5.0	5.0	µg/L	04/08/2001 22:26
Chlorobenzene	< 5.0	5.0	µg/L	04/08/2001 22:26
Ethylbenzene	< 5.0	5.0	µg/L	04/08/2001 22:26
Bromoform	< 5.0	5.0	µg/L	04/08/2001 22:26

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## REPORT OF ANALYSIS

### Test Results

Page 7

---

<b>Client:</b>	AG/GFI Hampstead	<b>Client Sample ID:</b>	Outfall 201 (Post)
<b>Report No:</b>	0104078	<b>Lab ID:</b>	0104078-003
<b>Project:</b>	Hampstead	<b>Collection Date:</b>	04/04/2001 9:11
<b>Matrix:</b>	WASTEWATER		

---

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	04/08/2001 22:26

---

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

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## REPORT OF ANALYSIS

### Test Results

Page 4

Client: AG/GFI Hampstead

Client Sample ID: Air Stripper 2(Pre)

Report No: 0105027

Lab ID: 0105027-002

Project: Quarterly

Collection Date: 05/02/2001 8:40

Matrix: WASTEWATER

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
----------	--------------	-----------------	-------	--------------------

#### VOLATILE ORGANIC COMPOUNDS, PP LIST (EPA 824)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst: NA

Chloromethane	< 10	10	µg/L	05/11/2001 23:58
Vinyl chloride	< 10	10	µg/L	05/11/2001 23:58
Bromomethane	< 10	10	µg/L	05/11/2001 23:58
Chloroethane	< 10	10	µg/L	05/11/2001 23:58
Acrolein	< 100	100	µg/L	05/11/2001 23:58
1,1-Dichloroethane	< 5.0	5.0	µg/L	05/11/2001 23:58
Methylene chloride	< 5.0	5.0	µg/L	05/11/2001 23:58
Acrylonitrile	< 100	100	µg/L	05/11/2001 23:58
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	05/11/2001 23:58
1,1-Dichloroethane	< 5.0	5.0	µg/L	05/11/2001 23:58
Chloroform	< 5.0	5.0	µg/L	05/11/2001 23:58
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	05/11/2001 23:58
Carbon tetrachloride	< 5.0	5.0	µg/L	05/11/2001 23:58
Benzene	< 5.0	5.0	µg/L	05/11/2001 23:58
1,2-Dichloroethane	< 5.0	5.0	µg/L	05/11/2001 23:58
Trichloroethene	330	50	µg/L	05/11/2001 23:26
1,2-Dichloropropane	< 5.0	5.0	µg/L	05/11/2001 23:58
Bromodichloromethane	< 5.0	5.0	µg/L	05/11/2001 23:58
2-Chloroethyl vinyl ether	< 10	10	µg/L	05/11/2001 23:58
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	05/11/2001 23:58
Toluene	< 5.0	5.0	µg/L	05/11/2001 23:58
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	05/11/2001 23:58
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	05/11/2001 23:58
Tetrachloroethene	92	5.0	µg/L	05/11/2001 23:58
Dibromochloromethane	< 5.0	5.0	µg/L	05/11/2001 23:58
Chlorobenzene	< 5.0	5.0	µg/L	05/11/2001 23:58
Ethylbenzene	< 5.0	5.0	µg/L	05/11/2001 23:58
Bromoform	< 5.0	5.0	µg/L	05/11/2001 23:58
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	05/11/2001 23:58

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## REPORT OF ANALYSIS

### Test Results

Page 5

Client: AG/GFI Hampstead Client Sample ID: Outfall 201(Post)  
Report No: 0105027 Lab ID: 0105027-003  
Project: Quarterly Collection Date: 05/02/2001 8:41  
Matrix: WASTEWATER

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
----------	--------------	-----------------	-------	--------------------

#### VOLATILE ORGANIC COMPOUNDS, PP LIST (EPA 624)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst: NA

Chloromethane	< 10	10	µg/L	05/12/2001 0:29
Vinyl chloride	< 10	10	µg/L	05/12/2001 0:29
Bromomethane	< 10	10	µg/L	05/12/2001 0:29
Chloroethane	< 10	10	µg/L	05/12/2001 0:29
Acrolein	< 100	100	µg/L	05/12/2001 0:29
1,1-Dichloroethene	< 5.0	5.0	µg/L	05/12/2001 0:29
Methylene chloride	< 5.0	5.0	µg/L	05/12/2001 0:29
Acrylonitrile	< 100	100	µg/L	05/12/2001 0:29
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	05/12/2001 0:29
1,1-Dichloroethane	< 5.0	5.0	µg/L	05/12/2001 0:29
Chloroform	< 5.0	5.0	µg/L	05/12/2001 0:29
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	05/12/2001 0:29
Carbon tetrachloride	< 5.0	5.0	µg/L	05/12/2001 0:29
Benzene	< 5.0	5.0	µg/L	05/12/2001 0:29
1,2-Dichloroethane	< 5.0	5.0	µg/L	05/12/2001 0:29
Trichloroethene	< 5.0	5.0	µg/L	05/12/2001 0:29
1,2-Dichloropropane	< 5.0	5.0	µg/L	05/12/2001 0:29
Bromodichloromethane	< 5.0	5.0	µg/L	05/12/2001 0:29
2-Chloroethyl vinyl ether	< 10	10	µg/L	05/12/2001 0:29
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	05/12/2001 0:29
Toluene	< 5.0	5.0	µg/L	05/12/2001 0:29
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	05/12/2001 0:29
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	05/12/2001 0:29
Tetrachloroethene	< 5.0	5.0	µg/L	05/12/2001 0:29
Dibromochloromethane	< 5.0	5.0	µg/L	05/12/2001 0:29
Chlorobenzene	< 5.0	5.0	µg/L	05/12/2001 0:29
Ethylbenzene	< 5.0	5.0	µg/L	05/12/2001 0:29
Bromoform	< 5.0	5.0	µg/L	05/12/2001 0:29
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	05/12/2001 0:29

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## REPORT OF ANALYSIS

### Test Results

Page 4

Client: AG/GFI Hampstead  
Report No: 0106078  
Project: Hampstead  
Matrix: WASTEWATER

Client Sample ID: Air Stripper 2 (Pre)  
Lab ID: 0106078-002  
Collection Date: 06/06/2001 8:09

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
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#### VOLATILE ORGANIC COMPOUNDS (EPA 624)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst: NA

1,2-Dichlorobenzene	< 5.0	5.0	µg/L	06/11/2001 8:33
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	06/11/2001 8:33
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	06/11/2001 8:33
Chloromethane	< 10	10	µg/L	06/11/2001 8:33
Vinyl chloride	< 10	10	µg/L	06/11/2001 8:33
Bromomethane	< 10	10	µg/L	06/11/2001 8:33
Chloroethane	< 10	10	µg/L	06/11/2001 8:33
Acrolein	< 100	100	µg/L	06/11/2001 8:33
1,1-Dichloroethene	< 5.0	5.0	µg/L	06/11/2001 8:33
Methylene chloride	< 5.0	5.0	µg/L	06/11/2001 8:33
Acrylonitrile	< 100	100	µg/L	06/11/2001 8:33
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	06/11/2001 8:33
1,1-Dichloroethane	< 5.0	5.0	µg/L	06/11/2001 8:33
Chloroform	< 5.0	5.0	µg/L	06/11/2001 8:33
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	06/11/2001 8:33
Carbon tetrachloride	< 5.0	5.0	µg/L	06/11/2001 8:33
Benzene	< 5.0	5.0	µg/L	06/11/2001 8:33
1,2-Dichloroethane	< 5.0	5.0	µg/L	06/11/2001 8:33
Trichloroethene	380	50	µg/L	06/11/2001 8:01
1,2-Dichloropropane	< 5.0	5.0	µg/L	06/11/2001 8:33
Bromodichloromethane	< 5.0	5.0	µg/L	06/11/2001 8:33
2-Chloroethyl vinyl ether	< 10	10	µg/L	06/11/2001 8:33
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	06/11/2001 8:33
Toluene	< 5.0	5.0	µg/L	06/11/2001 8:33
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	06/11/2001 8:33
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	06/11/2001 8:33
Tetrachloroethene	93	5.0	µg/L	06/11/2001 8:33
Dibromochloromethane	< 5.0	5.0	µg/L	06/11/2001 8:33
Chlorobenzene	< 5.0	5.0	µg/L	06/11/2001 8:33
Ethylbenzene	< 5.0	5.0	µg/L	06/11/2001 8:33
Bromoform	< 5.0	5.0	µg/L	06/11/2001 8:33

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## REPORT OF ANALYSIS

### Test Results

Page 5

Client: AG/GFI Hampstead

Client Sample ID: Air Stripper 2 (Pre)

Report No: 0106078

Lab ID: 0106078-002

Project: Hampstead

Collection Date: 06/06/2001 8:09

Matrix: WASTEWATER

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	08/11/2001 8:33

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## REPORT OF ANALYSIS

### Test Results

Page 6

Client: AG/GFI Hampstead  
Report No: 0106078  
Project: Hampstead  
Matrix: WASTEWATER

Client Sample ID: Outfall 201 (Post)  
Lab ID: 0106078-003  
Collection Date: 06/06/2001 8:10

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
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#### VOLATILE ORGANIC COMPOUNDS (EPA 624)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst: NA

1,2-Dichlorobenzene	< 5.0	5.0	µg/L	06/11/2001 9:05
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	06/11/2001 9:05
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	06/11/2001 9:05
Chloromethane	< 10	10	µg/L	06/11/2001 9:05
Vinyl chloride	< 10	10	µg/L	06/11/2001 9:05
Bromomethane	< 10	10	µg/L	06/11/2001 9:05
Chloroethane	< 10	10	µg/L	06/11/2001 9:05
Acrolein	< 100	100	µg/L	06/11/2001 9:05
1,1-Dichloroethene	< 5.0	5.0	µg/L	06/11/2001 9:05
Methylene chloride	< 5.0	5.0	µg/L	06/11/2001 9:05
Acrylonitrile	< 100	100	µg/L	06/11/2001 9:05
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	06/11/2001 9:05
1,1-Dichloroethane	< 5.0	5.0	µg/L	06/11/2001 9:05
Chloroform	< 5.0	5.0	µg/L	06/11/2001 9:05
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	06/11/2001 9:05
Carbon tetrachloride	< 5.0	5.0	µg/L	06/11/2001 9:05
Benzene	< 5.0	5.0	µg/L	06/11/2001 9:05
1,2-Dichloroethane	< 5.0	5.0	µg/L	06/11/2001 9:05
Trichloroethene	< 5.0	5.0	µg/L	06/11/2001 9:05
1,2-Dichloropropane	< 5.0	5.0	µg/L	06/11/2001 9:05
Bromodichloromethane	< 5.0	5.0	µg/L	06/11/2001 9:05
2-Chloroethyl vinyl ether	< 10	10	µg/L	06/11/2001 9:05
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	06/11/2001 9:05
Toluene	< 5.0	5.0	µg/L	06/11/2001 9:05
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	06/11/2001 9:05
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	06/11/2001 9:05
Tetrachloroethene	< 5.0	5.0	µg/L	06/11/2001 9:05
Dibromochloromethane	< 5.0	5.0	µg/L	06/11/2001 9:05
Chlorobenzene	< 5.0	5.0	µg/L	06/11/2001 9:05
Ethylbenzene	< 5.0	5.0	µg/L	06/11/2001 9:05
Bromoform	< 5.0	5.0	µg/L	06/11/2001 9:05



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## REPORT OF ANALYSIS

### Test Results

Page 7

Client: AG/GFI Hampstead

Client Sample ID: Outfall 201 (Post)

Report No: 0106078

Lab ID: 0106078-003

Project: Hampstead

Collection Date: 06/06/2001 8:10

Matrix: WASTEWATER

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	06/11/2001 9:05

---

**APPENDIX D**  
**GROUNDWATER ANALYTICAL DATA PACKAGE (MAY 2001)**

---



Client: BLACK & DECKER  
RFW #: 0105L802

W.O. #: 02501-004-002-0200-00  
Date Received: 05-17-2001

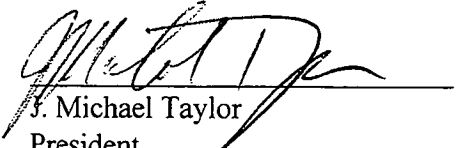
### GC/MS VOLATILE

Thirty-three (33) water samples were collected on 05-15,16-2001.

The samples and their associated QC samples were analyzed according to criteria set forth in Lionville laboratory OPs based on SW 846 Method 8260A for TCL Volatile target compounds on 05-21,22,23-2001.

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

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.
2. The required holding time for analysis was met.
3. Non-target compounds were detected in the samples.
4. Several samples required 5 to 20-fold dilution due to high levels of target compounds.
5. All surrogate recoveries were within EPA QC limits.
6. All matrix spike recoveries were within EPA QC limits.
7. All blank spike recoveries were within EPA QC limits.
8. The method blanks contained the common laboratory contaminants Methylene Chloride and Acetone at levels less than 2x the CRQL.
9. Internal standard area and retention time criteria were met.

  
J. Michael Taylor

President

Lionville Laboratory Incorporated

som\group\data\bna\black&decker-0105-802.doc

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 65 pages.

6/30/01  
Date

## 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.

## TECHNICAL FLAGS FOR MANUAL INTEGRATION

Manual quantitation modifications or integrations are performed routinely to improve the data quality for a variety of technical reasons. Documentation of these modifications should be clear and concise. The following "flags" are used to indicate the technical reasons for quantitation modifications:

- MP - Missed Peak: manually added peak not found by automatic quantitation program.
- PA - Peak Assignment: quantitation report was changed to reflect correct peak assignment.
- RI - Routine Integration: routine integrations are performed for some analytes that are consistently integrated improperly by the automatic integration programs. Examples are the dichlorobenzene isomers on the VOA packed column and benzo(b)fluoranthene/benzo(k)fluoranthene which are poorly resolved on the BNA column.
- SP - Split Peak: the automatic integration improperly split the peak; a manual integration was performed to get the correct area.
- CB - Coelution/Background: peak was manually integrated to eliminate contribution from coeluting compounds, background signal, or other interference.
- PI - Proper Integration: a peak with poor or inconsistent integration (e.g., excessive tail) was properly integrated manually.

L-WI-035/a-mi-10/00



Lionville Laboratory, Inc.  
 Volatiles by GC/MS, HSL List

Report Date: 06/29/01 10:02

RFW Batch Number: 0105L802

Client: BLACK & DECKER

Work Order: 02501004003 Page: 1a

Sample Information	Cust ID:	RFW-2A	RFW-2B	RFW-1A	RFW-20	RFW-21	RFW-17
	RFW#:	001	002	003	004	005	006
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Toluene-d8		102 %	106 %	102 %	99 %	92 %	102 %
Surrogate Bromofluorobenzene		97 %	104 %	97 %	98 %	94 %	96 %
Recovery 1,2-Dichloroethane-d4		102 %	102 %	99 %	110 %	96 %	97 %
		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		8 B	8 B	8 B	8 B	3 JB	4 BJ
Acetone		10 U	7 J	9 J	10 U	8 J	10 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	1 J	5 U	5 U	5 U	5 U
Chloroform		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	1 J	5 U	5 U	5 U	2 J
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		1 J	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		4 J	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U

\*= Outside of EPA CLP QC limits.

RFW Batch Number: 0105L802

Client: BLACK & DECKER

Work Order: 02501004003 Page: 1b

Cust ID:

RFW-2A

RFW-2B

RFW-1A

RFW-20

RFW-21

RFW-17

60

RFW#:

001

002

003

004

005

006

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

\*= Outside of EPA CLP QC limits.



Lionville Laboratory, Inc.  
 Volatiles by GC/MS, HSL List

Report Date: 06/29/01 10:02

RFW Batch Number: 0105L802

Client: BLACK & DECKER

Work Order: 02501004003 Page: 2a

	Cust ID:	RFW-7	RFW-13	RFW-1B	RFW-6	RFW-3B	RFW-12B
Sample	RFW#:	007	008	009	010	011	012
Information	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	5.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate	Toluene-d8	95 %	101 %	97 %	102 %	98 %	98 %
Recovery	Bromofluorobenzene	91 %	96 %	95 %	101 %	105 %	99 %
	1,2-Dichloroethane-d4	99 %	104 %	97 %	101 %	97 %	96 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Chloromethane		10 U	10 U	10 U	10 U	10 U	50 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	50 U
Vinyl Chloride		10 U	10 U	10 U	10 U	10 U	50 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	50 U
Methylene Chloride		4 BJ	4 JB	3 JB	3 JB	4 JB	73 B
Acetone		10 U	10	7 J	7 J	10	50 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	25 U
1,1-Dichloroethene		5 U	5 U	5 U	5 U	2 J	25 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	1 J	25 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	2 J	29	20 J
Chloroform		5 U	5 U	5 U	5 U	5 U	25 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	25 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	50 U
1,1,1-Trichloroethane		5 U	5 U	1 J	5 U	3 J	25 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	25 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	50 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	25 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	25 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	25 U
Trichloroethene		14	5	5 U	11	18	560
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	25 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	25 U
Benzene		5 U	5 U	5 U	5 U	5 U	25 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	25 U
Bromoform		5 U	5 U	5 U	5 U	5 U	25 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	50 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	50 U
Tetrachloroethene		5 U	32	5 U	12	19	37
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	25 U

\*= Outside of EPA CLP QC limits.

RFW Batch Number: 0105L802

Client: BLACK & DECKER

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03

Cust' ID:

RFW-7

RFW-13

RFW-1B

RFW-6

RFW-3B

RFW-12B

RFW#:

007

008

009

010

011

012

	007	008	009	010	011	012
Toluene	5 U	5 U	5 U	5 U	5 U	25 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	25 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	25 U
Styrene	5 U	5 U	5 U	5 U	5 U	25 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	25 U

\*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.  
Volatiles by GC/MS, HSL List

Report Date: 06/29/01 10:02

RFW Batch Number: 0105L802

Client: BLACK & DECKER

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Sample Information	Cust ID:	RFW-4A	RFW-4B	RFW-4B DUP	RFW-9	RFW-9	RFW-9
	RFW#:	013	014	015	016	016 MS	016 MSD
	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	99 %	105 %	91 %	108 %	97 %	99 %
Recovery	Bromofluorobenzene	102 %	93 %	89 %	98 %	90 %	96 %
	1,2-Dichloroethane-d4	103 %	102 %	101 %	91 %	99 %	98 %
=====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		11 B	12 B	12 B	6 B	6 B	6 B
Acetone		10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	5 U	5 U	1 J	88 %	87 %
1,1-Dichloroethane		5 U	5 U	5 U	2 J	2 J	2 J
1,2-Dichloroethene (total)		2 J	6	6	12	11	11
Chloroform		1 J	1 J	1 J	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	2 J	2 J	2 J
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		65	27	25	30	105 %	106 %
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	5 U	5 U	5 U	104 %	100 %
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		69	74	67	12	10	10
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U

\*= Outside of EPA CLP QC limits.

Cust ID: RFW-4A RFW-4B RFW-4B DUP RFW-9 RFW-9 RFW-9

RFW#: 013 014 015 016 016 MS 016 MSD

	013	014	015	016	016 MS	016 MSD
Toluene	5 U	5 U	5 U	5 U	103 %	103 %
Chlorobenzene	5 U	5 U	5 U	5 U	111 %	112 %
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.

Lionville Laboratory, Inc.  
Volatiles by GC/MS, HSL List

Report Date: 06/29/01 10:02

RFW Batch Number: 0105L802

Client: BLACK & DECKER

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Sample Information	Cust ID:	RFW-11B	RFW-11B	RFW-11B	HAMP-22	HAMP-23	TRIP BLANK
	RFW#:	017	017 MS	017 MSD	018	019	020
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Toluene-d8		100 %	100 %	94 %	96 %	94 %	94 %
Surrogate Bromofluorobenzene		96 %	98 %	96 %	98 %	93 %	94 %
Recovery 1,2-Dichloroethane-d4		97 %	98 %	96 %	94 %	93 %	96 %
		-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		5 B	4 BJ	5 BJ	5 BJ	5 BJ	7 B
Acetone		10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	86 %	87 %	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	5 U	5 U	5 U
Chloroform		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		91	100 %	117 %	5 U	5 U	5 U
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	100 %	99 %	5 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		3 J	3 J	3 J	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U

\*= Outside of EPA CLP QC limits.

RFW Batch Number: 0105L802

Client: BLACK & DECKER

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Cust ID:

RFW-11B

RFW-11B

RFW-11B

HAMP-22

HAMP-23

TRIP BLANK

12

RFW#:

017

017 MS

017 MSD

018

019

020

	017	017 MS	017 MSD	018	019	020
Toluene	5 U	101 %	101 %	5 U	5 U	5 U
Chlorobenzene	5 U	110 %	108 %	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.



RFW Batch Number: 0105L802

Client: BLACK & DECKER

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14

Cust ID:	EW-2	EW-3	EW-4	EW-4	EW-5	EW-6
RFW#:	021	022	023	023 DL	024	025

Toluene	50 U	25 U	50 U	100 U	50 U	5 U
Chlorobenzene	50 U	25 U	50 U	100 U	50 U	5 U
Ethylbenzene	50 U	25 U	50 U	100 U	50 U	5 U
Styrene	50 U	25 U	50 U	100 U	50 U	5 U
Xylene (total)	50 U	25 U	50 U	100 U	50 U	5 U

\*= Outside of EPA CLP QC limits.



Lionville Laboratory, Inc.  
 Volatiles by GC/MS, HSL List

Report Date: 07/09/01 12:52

RFW Batch Number: 0105L802

Client: BLACK & DECKER

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15R

Cust ID:		EW-7	EW-8	EW-9	EW-9 DUP	EW-10	LEISTER-1
Sample	RFW#:	026	027	028	029	030	031
Information	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	5.00	5.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
	Toluene-d8	100 %	96 %	98 %	103 %	102 %	96 %
Surrogate	Bromofluorobenzene	96 %	97 %	98 %	100 %	102 %	96 %
Recovery	1,2-Dichloroethane-d4	94 %	96 %	94 %	100 %	105 %	96 %
		-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----
Chloromethane		10 U	10 U	50 U	50 U	10 U	10 U
Bromomethane		10 U	10 U	50 U	50 U	10 U	10 U
Vinyl Chloride		10 U	10 U	50 U	50 U	10 U	10 U
Chloroethane		10 U	10 U	50 U	50 U	10 U	10 U
Methylene Chloride		9 B	5 B	32 B	25 B	8 B	9 B
Acetone		10 U	10 U	50 U	50 U	10 U	10 U
Carbon Disulfide		5 U	5 U	25 U	25 U	5 U	5 U
1,1-Dichloroethene		5 U	5 U	25 U	25 U	5 U	5 U
1,1-Dichloroethane		2 J	2 J	25 U	25 U	5 U	5 U
1,2-Dichloroethene (total)		9	39	7 J	6 J	5 U	5 U
Chloroform		5 U	5 U	25 U	25 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	25 U	25 U	5 U	5 U
2-Butanone		10 U	10 U	50 U	50 U	10 U	10 U
1,1,1-Trichloroethane		5 U	1 J	25 U	25 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	25 U	25 U	5 U	5 U
Vinyl Acetate		10 U	10 U	50 U	50 U	10 U	10 U
Bromodichloromethane		5 U	5 U	25 U	25 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	25 U	25 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	25 U	25 U	5 U	5 U
Trichloroethene		12	23	9 J	10 J	5 U	5 U
Dibromochloromethane		5 U	5 U	25 U	25 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	25 U	25 U	5 U	5 U
Benzene		5 U	5 U	25 U	25 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	25 U	25 U	5 U	5 U
Bromoform		5 U	5 U	25 U	25 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	50 U	50 U	10 U	10 U
2-Hexanone		10 U	10 U	50 U	50 U	10 U	10 U
Tetrachloroethene		27	160	540	530	13	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	25 U	25 U	5 U	5 U

\*= Outside of EPA CLP QC limits.

RFW Batch Number: 0105L802

Client: BLACK & DECKER

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LEISTER-1

10

Cust ID: EW-7 EW-8 EW-9 EW-9 DUP EW-10

RFW#: 026 027 028 029 030 031

	EW-7	EW-8	EW-9	EW-9 DUP	EW-10	031
Toluene	5 U	5 U	25 U	25 U	5 U	5 U
Chlorobenzene	5 U	5 U	25 U	25 U	5 U	5 U
Ethylbenzene	5 U	5 U	25 U	25 U	5 U	5 U
Styrene	5 U	5 U	25 U	25 U	5 U	5 U
Xylene (total)	5 U	5 U	25 U	25 U	5 U	5 U

\*= Outside of EPA CLP QC limits.