

**QUARTERLY GROUNDWATER
MONITORING REPORT**

Prepared for

BLACK & DECKER (U.S.) INC.

Hampstead, Maryland

January 2003

Prepared by

WESTON SOLUTIONS, INC.

1400 Weston Way, West Chester, Pennsylvania 19380

W.O. No. 02501.004.004.0200



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27 January 2003

Ms. Patti Davis
Waste Management Administration
Maryland Department of the Environment
1800 Washington Blvd
Baltimore, MD 21230

Re: Black & Decker Hampstead Facility

Dear Ms. Davis:

On behalf of our client, Black & Decker (U.S.) Inc. (Black & Decker), Weston Solutions, Inc. (WESTON®) provides enclosed with this letter two copies of the Quarterly Groundwater Monitoring Report for the period of October through December 2002. This report has been drafted for your review pursuant to the Administrative Consent Order of 13 April 1995.

If you have any questions regarding the enclosure, please contact me at (610) 701-7360.

Very truly yours,

WESTON SOLUTIONS, INC.

A handwritten signature in black ink that reads "Thomas Cornuet". The signature is written in a cursive, flowing style.

Thomas Cornuet, P.G.
Project Manager

Enclosure

cc: L. Biagioni, B&D
V. DaGrava, B&D
T. Lynch III, M&S
K. Decker, Town of Hampstead
L. Bove, Weston
H. Souminen, AG/GFI



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1. INTRODUCTION

This Groundwater Monitoring Report has been prepared to meet the requirements of Condition IV.G of the Administrative Consent Order between the State of Maryland Department of the Environment (MDE) and Black & Decker (U.S.) Inc. (April 1995) (Consent Order). Specifically, Condition IV.G calls for preparation of a Groundwater Monitoring Report containing the following information for each reporting period:

- The quantities of groundwater pumped, treated, and discharged.
- The calculation of quantities of contaminants removed from groundwater.
- A summary of all sampling analyses.
- An explanation of all operational or other problems encountered, and the manner in which each problem was resolved.
- Copies of all reports submitted to the Department of Natural Resources in conjunction with the Groundwater Appropriations Permit.
- Recommendations for changes to the Interim Groundwater Treatment System.

This document is one of several which are being prepared in response to the Consent Order; each of these documents are to be submitted to the MDE in accordance with the schedule outlined in the Consent Order. This document will become part of the Administrative Record for the site, which is maintained at the Hampstead Public Library.

2. SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of October through December 2002.

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

Monthly water levels for wells included in the water level monitoring plan are presented in [Table 2-2](#). For the reporting period of October through December 2002, the extraction wells were pumping at an average combined rate of approximately 127 gallons per minute (gpm).

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in [Table 2-3](#). DMRs for the period of October through December 2002 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of October through December 2002, approximately 38 pounds of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs removed from the groundwater were comprised primarily of trichloroethene (TCE) (75 %) and tetrachloroethene (PCE) (25 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of October through December 2002 are included in Appendix C.

A summary of the analytical results from the fourth quarter (November 2002) groundwater sampling round of the extraction and monitor wells is included in [Table 2-4](#). The complete

Table 2-1
Treatment System Pumping Records - 4th Quarter 2002
Black & Decker
Hampstead, Maryland

Date	Water pumped (gallons)
October 2002	5,882,263
November 2002	5,386,313
December 2002	5,399,590

Table 2-2
Groundwater Elevation Data - 4th Quarter 2002
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	10/31/02		11/25/02		12/19/02	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NA	DRY	NA	DRY	NA
EW-2	849.21	110	97.58	751.63	102.00	747.21	99.76	749.45
EW-3	846.64	118	84.36	762.28	87.49	759.15	91.42	755.22
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	89.13	775.04	91.47	772.70	90.42	773.75
EW-6	831.98	115	86.90	745.08	86.58	745.40	87.41	744.57
EW-7	818.38	78	73.26	745.12	77.71	740.67	76.23	742.15
EW-8	811.13	98	93.67	717.46	94.19	716.94	94.31	716.82
EW-9	811.35	141	97.95	713.40	96.87	714.48	96.56	714.79
EW-10	807.74	NA	54.65	753.09	56.83	750.91	52.38	755.36
RFW-1A	864.37	78	57.03	807.34	56.55	807.82	56.84	807.53
RFW-1B	864.23	200	57.07	807.16	56.58	807.65	56.86	807.37
RFW-2A	857.41	35	19.47	837.94	18.46	838.95	18.63	838.78
RFW-2B	857.73	75	19.79	837.94	19.14	838.59	18.84	838.89
RFW-3B	839.21	153	41.57	797.64	40.78	798.43	39.69	799.52
RFW-4A	830.37	62	40.48	789.89	39.61	790.76	38.94	791.43
RFW-4B	830.37	120	40.32	790.05	39.33	791.04	38.86	791.51
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	5.30	779.74	4.74	780.30	4.25	780.79
RFW-7	805.14	29	7.76	797.38	7.57	797.57	7.86	797.28
RFW-8	860.07	56	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	30.04	831.98	28.76	833.26	27.92	834.10
RFW-10	852.06	58	DRY	NA	DRY	NA	DRY	NA
RFW-11A	849.32	72	NA	NA	NA	NA	NA	NA
RFW-11B	849.62	116	74.58	775.04	74.13	775.49	73.97	775.65
RFW-12B	844.87	264	59.71	785.16	55.21	789.66	54.96	789.91
RFW-13	849.11	150	66.94	782.17	68.27	780.84	66.77	782.34
RFW-14B	812.39	281	52.51	759.88	53.73	758.66	53.34	759.05
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	31.01	803.65	29.82	804.84	28.86	805.80
RFW-20	842.49	142	39.61	802.88	38.73	803.76	37.96	804.53
RFW-21	832.65	102	25.41	807.24	26.86	805.79	24.88	807.77
PH-7	805.94	89	35.61	770.33	35.87	770.07	35.63	770.31
PH-9	814.94	98	58.39	756.55	57.93	757.01	57.31	757.63
PH-11	820.68	78	48.71	771.97	49.61	771.07	44.03	776.65
PH-12	828.35	87	55.69	772.66	55.87	772.48	54.93	773.42
B-3	803.02	83	8.44	794.58	NA	NA	8.61	794.41
Amoco	842.29	NA	NA	842.29	NA	NA	NA	NA
Hamp. Town #22	804.96	NA	29.63	NA	19.68	785.28	32.18	772.78
Pembroke #1	NA	NA	11.19	NA	10.89	NA	11.63	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	9.94	NA	10.26	NA	9.51	NA
E. Century St.	NA	NA	11.21	NA	11.19	NA	11.24	NA
Lwr. Beckleys. Rd.	NA	NA	57.42	NA	58.69	NA	58.95	NA

NA - Not Available/Not Accessible

Table 2-3
Effluent Characteristics Summary - 4th Quarter 2002
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE			
				October 2002	November 2002	December 2002	
001	FLOW	average	MGD	NA	0.238	0.157	0.158
		maximum	MGD	NA	1.511	0.203	0.238
	1,1,1-Trichloroethane	ug/l	5	< 5	< 5	< 5	
	Tetrachloroethylene	ug/l	5	< 5	< 5	< 5	
	Trichloroethylene	ug/l	5	< 5	< 5	< 5	
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	
	Oil & Grease	maximum	mg/l	15	< 5	< 5	< 5
		quarterly average	mg/l	10	NR	NR	< 5
	pH	minimum	STD	6.0	6.19	6.07	6.45
		maximum	STD	8.5	6.73	6.82	7.08
	BOD	mg/l	15	2	2	4	
TSS	maximum	mg/l	30	11	4	5.7	
	quarterly average	mg/l	20	NR	NR	< 2.5	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.468	0.397	0.310
		maximum	MGD	NA	0.473	0.435	0.399
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.190	0.180	0.174
		maximum	MGD	NA	0.352	0.207	0.225
	1,1,1-Trichloroethane	ug/l	NA	< 5	< 5	< 5	
	Tetrachloroethylene	ug/l	NA	< 5	< 5	< 5	
	Trichloroethylene	ug/l	NA	< 5	< 5	< 5	

NA - Not Applicable

NR - Not Reported

Table 2-4
Summary of Groundwater Analytical Results - November 2002
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
			(5)	(5)	(5)	(5)				(2)	(2)				
Chloromethane	ug/L	NS	50 U	50 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	50 U	50 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	50 U	50 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	50 U	50 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	2 J	5 U	5 U	5 U	5 U
Acetone	ug/L	NS	50 U	50 U	50 U	50 J	10 U	10 U	10 U	20 U	8 J	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	1 J	2 J	10 U	10 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	25 U	25 U	25 U	25 U	5 U	10	41	2 J	2 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	50 U	50 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	1 J	10 U	10 U	5 U	5 U	1 J	3 J
Carbon Tetrachloride	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	900	330	1400	390	18	13	25	4 J	4 J	5 U	5 U	5 U	11
Dibromochloromethane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	50 U	50 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	50 U	50 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	95	10 J	30	17 J	32	27	130	200	210	7	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	25 U	25 U	25 U	25 U	5 U	5 U	5 U	10 U	10 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 - November 2002
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	20 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	20 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	20 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	20 U
Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	9 JB	NS	NS	10 U	20 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	10 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	10 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	NS	5 U	10 U
1,2-Dichloroethene (total)	ug/L	1 J	22	2 J	9	8	NS	2 J	3 J	NS	9	NS	NS	5 U	13
Chloroform	ug/L	5 U	5 U	1 J	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	10 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	10 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	25 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	10 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	10 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	10 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	10 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	10 U
Trichloroethene	ug/L	2 J	12	63	7	7	NS	10	14	NS	33	NS	NS	99	280
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	10 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	10 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	10 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	10 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	10 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	25 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	25 U
Tetrachloroethene	ug/L	5 U	12	65	70	71	NS	10	5 U	NS	12	NS	NS	3 J	18
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	10 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	10 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	10 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	10 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	10 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	10 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 - November 2002
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	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	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Acetone	ug/L	9 J	NS	10 U	14	2 JB	10 U	10 U	10 U	10 U	NS	10 U
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	1 J	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	34	NS	5 U	2 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	100	NS	1 J	5 U	5 U	5 U	5 U	2 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 quant
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.

analytical data package is included in Appendix D.

As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentration of TCE was detected in the groundwater samples collected from wells RFW-12B and EW-4 and the highest concentration of PCE was detected in the groundwater sample collected from extraction well EW-9. Lower concentrations of 1,2-dichloroethene were also detected. The remainder of VOCs present were detected at levels well below the Federal Maximum Contaminant Levels (MCL).

3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities which were undertaken with the extraction and treatment system during the reporting period (October through December 2002) is provided in [Table 3-1](#). This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate or other routine activities).

Table 3-1
Treatment System Maintenance Activities - 4th Quarter 2002
Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
Dec-02	Wells EW-2 thru EW-5 were down for 7 days due to a broken electrical line. The electrical line has been repaired and the wells are now back on line.

4. RECOMMENDATIONS

For the reporting period of October through December 2002, the treatment system continued to create a hydraulic boundary preventing 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.

APPENDIX A
GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS
(OCTOBER - DECEMBER 2002)

MONTH / YEAR

Oct. 02

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

PAST MONTH READING

106715037

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1	T	1315	106902446	185731	14004	13789
2	W	1325	107088177	182837	14004	13813
3	T	1320	107271014	187326	14004	13837
4	F	1345	107458340	↑	14004	13862
5						
6				538311		
7	M	1305	107996651	166868	14004	13932
8	T	1000	108163519	187346	14026	13932
9	W	1030	108350865	210337	14051	13932
10	T	1415	108561202	184429	14079	13932
11	F	1415	108745631	↑	14103	13932
12						
13				527218		
14	M	1115	109212849	195081	14171	13932
15	T	1245	109467930	195308	14171	13958
16	W	1350	109663238	180488	14171	13983
17	T	1350	109843726	182612	14171	14007
18	F	1350	110026338	↑	14171	14031
19						
20				539347		
21	M	1205	110565685	172957	14171	14101
22	T	1040	110738642	201241	14194	14101
23	W	1300	110939883	171947	14220	14101
24	T	1415	111131830	183640	14246	14101
25	F	1415	111315470	↑	14270	14101
26						
27				546308		
28	M	1240	111861770	351678	14341	14101
29	T	1040	112213448	207727	14341	14147
30	W	1350	112421175	183034	14341	14174
31	T	1345	112604209	180500	14341	14198
Total				5882263		
Average				189750		

NEXT MONTH READING 113128145DATE Nov. 4, 2002

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

MONTH / YEAR

Nov. 02

PAST MONTH READING

112604209

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1	F		↑	↑		
2	S					
3	S			373436		
4	M	1010	113128145	199020	14341	14267
5	T	1205	113327165	194396	14367	14267
6	W	1330	113521561	184762	14392	14267
7	T	1340	113706323	173842	14416	14267
8	F	1225	113880165	↑	14439	14267
9	S					
10	S			534542		
11	M	1015	114414707	207204	14509	14267
12	T	1325	114621911	182393	14529	14294
13	W	1310	114804304	184395	14509	14318
14	T	1315	114988699	194381	14509	14342
15	F	1435	115183080	↑	14509	14367
16	S					
17	S			540152		
18	M	1255	115723232	197221	14509	14437
19	T	1430	115920453	170909	14535	14437
20	W	1235	116091262	187685	14557	14437
21	T	1300	116278947	191292	14581	14437
22	F	1325	116470239	↑	14606	14437
23	S					
24	S			557354		
25	M	1340	117027593	188251	14678	14437
26	T	1410	117215844	162207	14678	14462
27	W	1105	117378051	↑	14678	14483
28	T					
29	F					
30	S			762971		
31						
Total				5386313		
Average				179544		

NEXT MONTH READING 118331765

DATE 12-02-02

MONTH / YEAR

Dec. 02

**BLACK DECKER
AIR STRIPPER # 2**

OPERATING RECORD

PAST MONTH READING

117378051

* 12-24 Wells 1-5 went down.
12-31 " " back up & running.

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1				190743		
2	M	1405	118331765	189323	14678	14606
3	T	1430	118521088	168551	14702	14606
4	W	1215	118689639	182303	14724	14606
5	T	1145	118871942	178995	14748	14606
6	F	1050	119050937	↑	14771	14606
7						
8				573324		
9	M	1240	119624261	163120	14845	14606
10	T	0940	119787381	225174	14845	14627
11	W	1440	120012555	162184	14845	14656
12	T	1130	120174739	177610	14845	14676
13	F	1025	120352349	↑	14845	14699
14						
15				590606		
16	M	1355	120942955	161032	14845	14775
17	T	1030	121103987	182774	14865	14775
18	W	0945	121286761	197446	14888	14775
19	T	1045	121484267	194182	14913	14775
20	F	1130	121678389	↑	14938	14775
21						
22				566289		
23	M	1125	122244678	↑	15010	14775
24	T					
25	W			449380		
26	T	1200	122694058	135770	15010	14847
27	F	1340	122829828	↑	15010	14873
28						
29				375236		
30	M		123205064	115998	15010	14944
31	T	1000	123321062	219550	15032	14944
Total				5399590		
Average				174180		

NEXT MONTH READING 123760162

DATE 01-02-03

**APPENDIX B
DISCHARGE MONITORING REPORTS
(OCTOBER - DECEMBER 2002)**

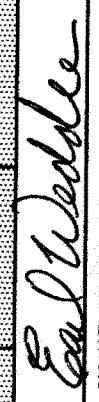
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

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

MONITORING PERIOD
FROM: YEAR **2002** MO **10** DAY **01**
TO: YEAR **02** MO **10** DAY **31**

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)
AG/GFI Hampstead, Inc.
133 Pearl Street
Suite 400
Boston, MA 02110

FACILITY: **Hampstead, Maryland 21074**
LOCATION: **CARROLL COUNTY**

PARAMETER (32-37)	QUANTITY OR LOADING (20-21) (22-23) (24-25) (54-61)			QUALITY OR CONCENTRATION (26-27) (28-29) (30-31) (4 Card Only)			NO. OF EX (62-63)	FREQUENCY ANALYSIS (64-66)	SAMPLE TYPE (68-70)	
	AVERAGE (46-53)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW	0.238	1.511	MGD				0	Measured/Recorded	GRAB	
1,1,1-TRICHLOROETHANE	NO LIMIT	NO LIMIT					0	Measured/Recorded	GRAB	
TETRACHLOROETHYLENE						ppb	0	1/MONTH	GRAB	
TRICHLOROETHYLENE						ppb	0	1/MONTH	GRAB	
TOTAL RESIDUAL CHLORINE						mg/l	0	1/MONTH	GRAB	
OIL & GREASE						mg/l	0	1/MONTH	GRAB	
pH						STD	0	2/WEEK	GRAB	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE		
Henry C Suominen, Jr. AG/GFI Manger							410-374-9025	02 11 04		
TYPED OR PRINTED							AREA CODE-NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS							OFFICER OR AUTHORIZED AGENT			
							 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

(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: (Includes 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)
 PERMIT NUMBER: MD0001881
 DISCHARGE NUMBER: 001

MONITORING PERIOD
 FROM: YEAR 2002, MO 10, DAY 01
 TO: YEAR 02, MO 10, DAY 31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (62-69)			NO. EX (70-73)	FREQUENCY OF ANALYSIS (74-76)	SAMPLE TYPE (77-79)
	AVERAGE	MAXIMUM	UNITS	AVERAGE	MAXIMUM	UNITS			
BOD	SAMPLE MEASUREMENT				2.1		0	1/MONTH	GRAB
	PERMIT REQUIREMENT				15	mg/l		1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT			11.0			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								
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Henry C Suominen, Jr. AG/GFI Manger TYPED OR PRINTED									
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)									
								TELEPHONE	DATE
								410-374-9025	02 11 04
								AREA CODE-NUMBER	YEAR MO DAY
								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	

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.)

Henry C Suominen, Jr.
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

*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.)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)
NAME: AG/GFI Hampstead, Inc.
ADDRESS: 133 Pearl Street
Suite 400
Boston, MA 02110


PERMIT NUMBER
MD0001881
(2-16)

DISCHARGE NUMBER
101
(17-19)

MONITORING PERIOD
FROM
YEAR **2002** MO **10** DAY **01**
TO
YEAR **02** MO **10** DAY **31**
(20-27) (22-23) (24-25) (26-27) (28-29) (30-31)

FACILITY: **Hampstead, Maryland 21074**
LOCATION: **CARROLL COUNTY**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	(3 Card Only) (46-53)			(4 Card Only) (54-61)			QUALITY OR CONCENTRATION			NO. OF EX (62-63)	ANALYSIS TYPE (64-68)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	AVERAGE	MINIMUM	MAXIMUM	AVERAGE	UNITS	UNITS			
FLOW	SAMPLE MEASUREMENT	0.468	0.473	MGD						0	Cont. Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								Cont. Measure/Record	
FECAL COLIFORM	SAMPLE MEASUREMENT		<2	MPN/100ml						0	1WEEK GRAB	
	PERMIT REQUIREMENT		200								1WEEK GRAB	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											TELEPHONE	DATE
Henry C Suominen, Jr. AG/GFI Manger											410-374-9025	02 11 04
TYPED OR PRINTED											AREA CODE-NUMBER	YEAR MO DAY
											410-374-9025	02 11 04
COMMENT AND EXPLANATION OF ANY VIOLATIONS											OFFICER OR AUTHORIZED AGENT	
											 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	

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 THESE 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.)

(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)
 PERMIT NUMBER: MD0001881
 DISCHARGE NUMBER: 201
 MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM 2002 10 01 TO 02 10 31

FORM APPROVED
 OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	QUANTITY OR LOADING (24-29)			QUALITY OR CONCENTRATION (30-37)			NO. OF ANALYSIS (64-68)	FREQUENCY OF ANALYSIS (62-63)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.190	0.352	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
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
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.) Henry C Suominen, Jr. AG/GFI Manger TYPED OR PRINTED SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OFFICER OR AUTHORIZED AGENT TELEPHONE DATE 410-374-9025 AREA CODE-NUMBER 02 11 04 YEAR MO DAY									
COMMENT AND EXPLANATION OF ANY VIOLATIONS									

(Reference all attachments here)

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

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

MONITORING PERIOD
FROM: YEAR 2002, MO 11, DAY 01
TO: YEAR 02, MO 11, DAY 30

PERMITTEE NAME/ADDRESS: (include Facility Name and location if different)
AG/GFI Hampstead, Inc.
133 Pearl Street
Suite 400
Boston, MA 02110
FACILITY: Hampstead, Maryland 21074
LOCATION: CARROLL COUNTY

PARAMETER (20-37)	(3 Card Only) (46-53)			(4 Card Only) (54-61)			QUALITY OR CONCENTRATION			EX (62-67)	NO. OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. OF FREQUENCY					
FLOW	MEASUREMENT	0.157	MGD						0	Measured/Recorded			
	PERMIT REQUIREMENT	NO LIMIT								Measured/Recorded			
1,1,1-TRICHLOROETHANE	MEASUREMENT						<5		0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB		
TETRACHLOROETHYLENE	MEASUREMENT						<5		0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB		
TRICHLOROETHYLENE	MEASUREMENT						<5		0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB		
TOTAL RESIDUAL CHLORINE	MEASUREMENT						<0.1		0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						<0.1	mg/l		1/MONTH	GRAB		
OIL & GREASE	MEASUREMENT						<5		0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						15	mg/l		1/MONTH	GRAB		
pH	MEASUREMENT	6.07			6.82			STD	0	2WEEK	GRAB		
	PERMIT REQUIREMENT				6.00					2WEEK	GRAB		
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER										TELEPHONE		DATE	
Henry C Suominen, Jr. AG/GFI Manager										410-374-9025		02 12 03	
TYPED OR PRINTED										AREA COOP-NUMBER		YEAR MO DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS										410-374-9025		02 12 03	

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Henry C Suominen, Jr.

(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.

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

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

PERMIT NUMBER: **MD0001831**
 DISCHARGE NUMBER: **001**

MONITORING PERIOD
 YEAR: 2002
 FROM: MO 11 DAY 01 TO MO 11 DAY 30

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (4 Card Only)			NO. OF ANALYSIS (62-64)	ANALYSIS (64-68)	NO. OF EXAMINATIONS (62-64)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
BOD	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT					1.8	0	1/MONTH		GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT					30	0	1/MONTH		GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT					20		1/MONTH		GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
NAME / TITLE: Henry C Suominen, Jr. AG/GFI Manager TYPED OR PRINTED SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: <i>Erin Weddole</i> OFFICER OR AUTHORIZED AGENT TELEPHONE: _____ DATE: _____ AREA CODE-NUMBER: 410-374-9025 YEAR MO DAY: 02 11 03										

COMMENT AND EXPLANATION OF ANY VIOLATIONS

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: AG/GFI Hampstead, Inc.
ADDRESS: 133 Pearl Street
 Suite 410
 Boston, MA 02110
FACILITY: Hampstead, Maryland 21074
LOCATION: CARROLL COUNTY

DISCHARGE NUMBER
101
 PERMIT NUMBER
MD0001581

MONITORING PERIOD
 YEAR MONTH DAY
 FROM **2002 11 01**
 TO **02 11 30**

PARAMETER (32-37)	QUANTITY OR LOADING (20-27) (28-29) (34-50)			QUALITY OR CONCENTRATION (28-27) (28-36) (30-37)			NO. FREQUENCY EX (32-43)	SAMPLE TYPE (38-70)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		
FLOW	0.397	0.435	MGD				0	Cant Measure/Record
FECAL COLIFORM	NO LIMIT	NO LIMIT			<2	MPN/ 100ml	0	Cant Measure/Record
							0	1WEEK GRAB
							0	1WEEK GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
Henry C Suominen, Jr.
AG/GFI Manager

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
410-374-9025

DATE
02 | 12 | 03

AREA CODE-NUMBER
410-374-9025

YEAR MONTH DAY

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 THESE INDIVIDUALS I BELIEVE THE INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND INCARCERATION. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

(Reference all attachments here)


(REPLACES EPA FORM 7-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS: (includes Facility Name and 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)
 M00007851 PERMIT NUMBER (2-18)
 201 DISCHARGE NUMBER (17-18)

MONITORING PERIOD
 FROM: YEAR 2002 MO 11 DAY 01
 TO: YEAR 02 MO 11 DAY 30

NOTE: Read instructions before completing this form.

PARAMETER (23-37)	QUANTITY OR LOADING (3 Card Only) (65-53)		QUALITY OR CONCENTRATION (4 Card Only)			NO. EX (62-53)	FREQUENCY OF ANALYSIS (64-67)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			
FLOW	0.180	0.207	MGD			0	Cont Measure/Record	
	NO LIMIT	NO LIMIT					Cont Measure/Record	
1,1,1-TRICHLOROETHANE						0	1/MONTH	GRAB
							1/MONTH	GRAB
TETRACHLOROETHYLENE						0	1/MONTH	GRAB
							1/MONTH	GRAB
TRICHLOROETHYLENE						0	1/MONTH	GRAB
							1/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE
Henry C Suominen, Jr. AG/GFI Manager							410-374-8025	02 12 03
TYPED OR PRINTED							AREA CODE-NUMBER	YEAR MO DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
							 OFFICER OR AUTHORIZED AGENT	

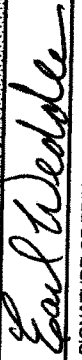
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY KNOWLEDGE OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. 33 USC 1315 (Prohibition under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

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

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

MONITORING PERIOD
FROM: YEAR **2002** MO **12** DAY **01**
TO: YEAR **02** MO **12** DAY **31**

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)
AG/GFI Hampstead, Inc.
133 Pearl Street
Suite 400
Boston, MA 02110
FACILITY: **Hampstead, Maryland 21074**
LOCATION: **CARROLL COUNTY**

PARAMETER (92-97)	QUANTITY OR LOADING (24-26) (4 Card Only)			QUALITY OR CONCENTRATION (90-97)			NO. EX (92-93)	FREQUENCY OF ANALYSIS (94-98)	SAMPLE TYPE (99-10)
	AVERAGE (46-53)	MAXIMUM (54-57)	UNITS (24-26)	MINIMUM (26-27)	AVERAGE (30-37)	MAXIMUM (38-45)			
FLOW	SAMPLE MEASUREMENT	0.158	0.238	MGD					
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT				<5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT				5	ppb		1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT				<5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT				5	ppb		1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT				<5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT				5	ppb		1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT				<0.1		0	1/MONTH	GRAB
	PERMIT REQUIREMENT				<0.1	mg/l		1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT				<5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT				10	mg/l		1/MONTH	GRAB
PH	SAMPLE MEASUREMENT				6.45		0	2/WEEK	GRAB
	PERMIT REQUIREMENT				8.50	STD		2/WEEK	GRAB
NAME / TITLE: Henry C Suominen, Jr. AG/GFI Manger TYPED OR PRINTED									
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER 								TELEPHONE DATE	
OFFICER OR AUTHORIZED AGENT								410-374-9025	
AREA CODE-NUMBER								03 01 03	

*Averages for TSS and Oil & Grease are reported quarterly.
EPA Form 3320-1 (Rev. 9-98) Previous edition to be used until supply is exhausted.

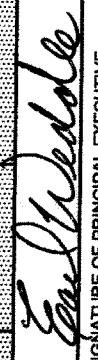
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

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

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

MONITORING PERIOD
 FROM YEAR 2002 MO 12 DAY 01 TO YEAR 02 MO 12 DAY 31

NOTE: Read instructions before completing this form.


PARAMETER (32-37)	QUANTITY OR LOADING (20-21) (22-23) (24-25)			QUALITY OR CONCENTRATION (26-27) (28-29) (30-31)			NO. EX. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	AVERAGE	MAXIMUM	UNITS		
BOD	SAMPLE MEASUREMENT				4.2		0	1/MONTH GRAB
	PERMIT REQUIREMENT				15	mg/l		1/MONTH GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT			5.7	<2.5		0	1/MONTH GRAB
	PERMIT REQUIREMENT				30	mg/l		1/MONTH GRAB
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Henry C Suominen, Jr. AG/GFI Manger TYPED OR PRINTED								
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)								
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 							TELEPHONE 410-374-9025	
							AREA CODE-NUMBER 03 01 03	

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

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**

PERMIT NUMBER: **MD0001881**
DISCHARGE NUMBER: **101**

MONITORING PERIOD
FROM: YEAR **2002** MO **12** DAY **01**
TO: YEAR **02** MO **12** DAY **31**

PARAMETER (92-97)	QUANTITY OR LOADING (20-31) (22-23) (24-25)			QUALITY OR CONCENTRATION (4 Card Only) (26-27) (28-29) (30-31)			NO. OF ANALYSIS (62-63)	EX	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.310	0.399	MGD					
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						
FECAL COLIFORM	SAMPLE MEASUREMENT				<2	MPN/100ml	0		Cont Measure/Record
	PERMIT REQUIREMENT				200		0		Cont Measure/Record
	SAMPLE MEASUREMENT								1/WEEK GRAB
	PERMIT REQUIREMENT								1/WEEK GRAB
	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									
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)								TELEPHONE 410-374-9025	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  OFFICER OR AUTHORIZED AGENT								DATE 03 01 03	
								AREA CODE-NUMBER 410-374-9025	

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 (2-10)
 DISCHARGE NUMBER
 201 (17-19)

MONITORING PERIOD
 YEAR MO DAY
 FROM 2002 12 01
 TO 02 12 31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	QUANTITY OR LOADING (24-29)			QUALITY OR CONCENTRATION (4 Card Only)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (68-70)		
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	AVERAGE	MAXIMUM	UNITS					
FLOW	0.174	0.225	MGD				0	Cont Measure/Record			
1,1,1-TRICHLOROETHANE	NO LIMIT	NO LIMIT			<5	ppb	0	Cont Measure/Record	GRAB		
TETRACHLOROETHYLENE					N/A		0	1/MONTH	GRAB		
TRICHLOROETHYLENE					<5	ppb	0	1/MONTH	GRAB		
					N/A		0	1/MONTH	GRAB		
					<5	ppb	0	1/MONTH	GRAB		
					N/A		0	1/MONTH	GRAB		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND I AM NOT PROVIDING THIS INFORMATION IN ORDER TO OBTAIN A PERMIT. I BELIEVE THE 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 18 U.S.C. § 1315. (Facilities under these statutes may include those up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) (Reference all attachments here)											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE			DATE	
Henry C Suominen, Jr. AG/GFI Manger							410-374-9025			03 01 03	
TYPED OR PRINTED							AREA CODE-NUMBER			YEAR MO DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				
							 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS
(OCTOBER - DECEMBER 2002)



Gascoyne Laboratories, Inc.

2101 Van Deman Street
Baltimore, MD 21224

(410) 633-1800

FAX No.
(410) 633-6553

www.gascoyne.com

REPORT OF ANALYSIS

Test Results

Page 5

Client:	AG/GFI Hampstead	Client Sample ID:	Air Stripper 2 (Pre)
Report No:	0210034	Lab ID:	0210034-003
Project:	Hampstead, MD	Collection Date:	10/08/2002 7:55
Matrix:	WASTEWATER		

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
VOLATILE ORGANIC COMPOUNDS (EPA 624)				Analyst: THP
Prep. Method: <u>NA</u>	Prep. Date: <u>NA</u>	Prep Analyst	<u>NA</u>	
Chloromethane	< 50	50	µg/L	10/12/2002 19:39
Vinyl chloride	< 50	50	µg/L	10/12/2002 19:39
Bromomethane	< 50	50	µg/L	10/12/2002 19:39
Chloroethane	< 50	50	µg/L	10/12/2002 19:39
Acrolein	< 500	500	µg/L	10/12/2002 19:39
1,1-Dichloroethene	< 25	25	µg/L	10/12/2002 19:39
Methylene chloride	< 25	25	µg/L	10/12/2002 19:39
Acrylonitrile	< 500	500	µg/L	10/12/2002 19:39
trans-1,2-Dichloroethene	< 25	25	µg/L	10/12/2002 19:39
1,1-Dichloroethane	< 25	25	µg/L	10/12/2002 19:39
Chloroform	< 25	25	µg/L	10/12/2002 19:39
1,1,1-Trichloroethane	< 25	25	µg/L	10/12/2002 19:39
Carbon tetrachloride	< 25	25	µg/L	10/12/2002 19:39
Benzene	< 25	25	µg/L	10/12/2002 19:39
1,2-Dichloroethane	< 25	25	µg/L	10/12/2002 19:39
Trichloroethene	210	25	µg/L	10/12/2002 19:39
1,2-Dichloropropane	< 25	25	µg/L	10/12/2002 19:39
Bromodichloromethane	< 25	25	µg/L	10/12/2002 19:39
2-Chloroethyl vinyl ether	< 50	50	µg/L	10/12/2002 19:39
cis-1,3-Dichloropropene	< 25	25	µg/L	10/12/2002 19:39
Toluene	< 25	25	µg/L	10/12/2002 19:39
trans-1,3-Dichloropropene	< 25	25	µg/L	10/12/2002 19:39
1,1,2-Trichloroethane	< 25	25	µg/L	10/12/2002 19:39
Tetrachloroethene	67	25	µg/L	10/12/2002 19:39
Dibromochloromethane	< 25	25	µg/L	10/12/2002 19:39
Chlorobenzene	< 25	25	µg/L	10/12/2002 19:39
Ethylbenzene	< 25	25	µg/L	10/12/2002 19:39
Bromoform	< 25	25	µg/L	10/12/2002 19:39



Gascoyne Laboratories, Inc.

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Baltimore, MD 21224

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FAX No.
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REPORT OF ANALYSIS

Test Results

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Page 6

Client: AG/GFI Hampstead **Client Sample ID:** Air Stripper 2 (Pre)
Report No: 0210034
Project: Hampstead, MD **Lab ID:** 0210034-003
Matrix: WASTEWATER **Collection Date:** 10/08/2002 7:55

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 25	25	µg/L	10/12/2002 19:39
1,3-Dichlorobenzene	< 25	25	µg/L	10/12/2002 19:39
1,4-Dichlorobenzene	< 25	25	µg/L	10/12/2002 19:39
1,2-Dichlorobenzene	< 25	25	µg/L	10/12/2002 19:39

Gascoyne Laboratories, Inc.



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Baltimore, MD 21224

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(410) 633-6553

REPORT OF ANALYSIS

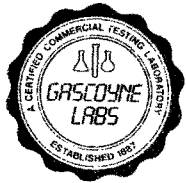
Test Results

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Page 7

Client: AG/GFI Hampstead **Client Sample ID:** Outfall 201 (Post)
Report No: 0210034
Project: Hampstead, MD **Lab ID:** 0210034-004
Matrix: WASTEWATER **Collection Date:** 10/08/2002 7:56

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
VOLATILE ORGANIC COMPOUNDS (EPA 624)				
Prep. Method: <u>NA</u>	Prep. Date: <u>NA</u>		Prep Analyst <u>NA</u>	Analyst: THP
Chloromethane	< 10	10	µg/L	10/12/2002 20:45
Vinyl chloride	< 10	10	µg/L	10/12/2002 20:45
Bromomethane	< 10	10	µg/L	10/12/2002 20:45
Chloroethane	< 10	10	µg/L	10/12/2002 20:45
Acrolein	< 100	100	µg/L	10/12/2002 20:45
1,1-Dichloroethene	< 5.0	5.0	µg/L	10/12/2002 20:45
Methylene chloride	< 5.0	5.0	µg/L	10/12/2002 20:45
Acrylonitrile	< 100	100	µg/L	10/12/2002 20:45
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	10/12/2002 20:45
1,1-Dichloroethane	< 5.0	5.0	µg/L	10/12/2002 20:45
Chloroform	< 5.0	5.0	µg/L	10/12/2002 20:45
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	10/12/2002 20:45
Carbon tetrachloride	< 5.0	5.0	µg/L	10/12/2002 20:45
Benzene	< 5.0	5.0	µg/L	10/12/2002 20:45
1,2-Dichloroethane	< 5.0	5.0	µg/L	10/12/2002 20:45
Trichloroethene	< 5.0	5.0	µg/L	10/12/2002 20:45
1,2-Dichloropropane	< 5.0	5.0	µg/L	10/12/2002 20:45
Bromodichloromethane	< 5.0	5.0	µg/L	10/12/2002 20:45
2-Chloroethyl vinyl ether	< 10	10	µg/L	10/12/2002 20:45
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	10/12/2002 20:45
Toluene	< 5.0	5.0	µg/L	10/12/2002 20:45
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	10/12/2002 20:45
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	10/12/2002 20:45
Tetrachloroethene	< 5.0	5.0	µg/L	10/12/2002 20:45
Dibromochloromethane	< 5.0	5.0	µg/L	10/12/2002 20:45
Chlorobenzene	< 5.0	5.0	µg/L	10/12/2002 20:45
Ethylbenzene	< 5.0	5.0	µg/L	10/12/2002 20:45
Bromoform	< 5.0	5.0	µg/L	10/12/2002 20:45



Gascoyne Laboratories, Inc.

2101 Van Deman Street
Baltimore, MD 21224

(410) 633-1800

FAX No.
(410) 633-6553

REPORT OF ANALYSIS

Test Results

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Page 8

Client:	AG/GFI Hampstead	Client Sample ID:	Outfall 201 (Post)
Report No:	0210034		
Project:	Hampstead, MD	Lab ID:	0210034-004
Matrix:	WASTEWATER	Collection Date:	10/08/2002 7:56

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	10/12/2002 20:45
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	10/12/2002 20:45
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	10/12/2002 20:45
1,2-Dichlorobenzene	< 5.0	5.0	µg/L	10/12/2002 20:45



Gascoyne Laboratories, Inc.

2101 Van Deman Street
Baltimore, MD 21224

(410) 633-1800

FAX No.
(410) 633-6553

REPORT OF ANALYSIS

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Test Results

Page 4

Client: AG/GFI Hampstead Client Sample ID: Air Stripper 2 (Pre)
Report No: 0211099
Project: Hampstead-Quarterly Lab ID: 0211099-002
Matrix: WASTEWATER Collection Date: 11/06/2002 7:54

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

VOLATILE ORGANIC COMPOUNDS (EPA 624)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst: NA

Chloromethane	< 10	10	µg/L	11/10/2002 7:17
Vinyl chloride	< 10	10	µg/L	11/10/2002 7:17
Bromomethane	< 10	10	µg/L	11/10/2002 7:17
Chloroethane	< 10	10	µg/L	11/10/2002 7:17
Acrolein	< 100	100	µg/L	11/10/2002 7:17
1,1-Dichloroethene	< 5.0	5.0	µg/L	11/10/2002 7:17
Methylene chloride	< 5.0	5.0	µg/L	11/10/2002 7:17
Acrylonitrile	< 100	100	µg/L	11/10/2002 7:17
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	11/10/2002 7:17
1,1-Dichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:17
Chloroform	< 5.0	5.0	µg/L	11/10/2002 7:17
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:17
Carbon tetrachloride	< 5.0	5.0	µg/L	11/10/2002 7:17
Benzene	< 5.0	5.0	µg/L	11/10/2002 7:17
1,2-Dichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:17
Trichloroethene	200	5.0	µg/L	11/10/2002 7:17
1,2-Dichloropropane	< 5.0	5.0	µg/L	11/10/2002 7:17
Bromodichloromethane	< 5.0	5.0	µg/L	11/10/2002 7:17
2-Chloroethyl vinyl ether	< 10	10	µg/L	11/10/2002 7:17
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	11/10/2002 7:17
Toluene	< 5.0	5.0	µg/L	11/10/2002 7:17
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	11/10/2002 7:17
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:17
Tetrachloroethene	69	5.0	µg/L	11/10/2002 7:17
Dibromochloromethane	< 5.0	5.0	µg/L	11/10/2002 7:17
Chlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:17
Ethylbenzene	< 5.0	5.0	µg/L	11/10/2002 7:17
Bromoform	< 5.0	5.0	µg/L	11/10/2002 7:17

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REPORT OF ANALYSIS

Test Results

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Client: AG/GFI Hampstead **Client Sample ID:** Air Stripper 2 (Pre)
Report No: 0211099
Project: Hampstead-Quarterly **Lab ID:** 0211099-002
Matrix: WASTEWATER **Collection Date:** 11/06/2002 7:54

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	11/10/2002 7:17
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:17
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:17
1,2-Dichlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:17



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Client: AG/GFI Hampstead **Client Sample ID:** Outfall 201 (Post)
Report No: 0211099
Project: Hampstead-Quarterly **Lab ID:** 0211099-003
Matrix: WASTEWATER **Collection Date:** 11/06/2002 7:53

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

VOLATILE ORGANIC COMPOUNDS (EPA 624)

Analyst: THP

Prep. Method: NA

Prep. Date: NA

Prep Analyst NA

Chloromethane	< 10	10	µg/L	11/10/2002 7:49
Vinyl chloride	< 10	10	µg/L	11/10/2002 7:49
Bromomethane	< 10	10	µg/L	11/10/2002 7:49
Chloroethane	< 10	10	µg/L	11/10/2002 7:49
Acrolein	< 100	100	µg/L	11/10/2002 7:49
1,1-Dichloroethene	< 5.0	5.0	µg/L	11/10/2002 7:49
Methylene chloride	< 5.0	5.0	µg/L	11/10/2002 7:49
Acrylonitrile	< 100	100	µg/L	11/10/2002 7:49
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	11/10/2002 7:49
1,1-Dichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:49
Chloroform	< 5.0	5.0	µg/L	11/10/2002 7:49
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:49
Carbon tetrachloride	< 5.0	5.0	µg/L	11/10/2002 7:49
Benzene	< 5.0	5.0	µg/L	11/10/2002 7:49
1,2-Dichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:49
Trichloroethene	< 5.0	5.0	µg/L	11/10/2002 7:49
1,2-Dichloropropane	< 5.0	5.0	µg/L	11/10/2002 7:49
Bromodichloromethane	< 5.0	5.0	µg/L	11/10/2002 7:49
2-Chloroethyl vinyl ether	< 10	10	µg/L	11/10/2002 7:49
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	11/10/2002 7:49
Toluene	< 5.0	5.0	µg/L	11/10/2002 7:49
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	11/10/2002 7:49
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	11/10/2002 7:49
Tetrachloroethene	< 5.0	5.0	µg/L	11/10/2002 7:49
Dibromochloromethane	< 5.0	5.0	µg/L	11/10/2002 7:49
Chlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:49
Ethylbenzene	< 5.0	5.0	µg/L	11/10/2002 7:49
Bromoform	< 5.0	5.0	µg/L	11/10/2002 7:49



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Client:	AG/GFI Hampstead	Client Sample ID:	Outfall 201 (Post)
Report No:	0211099	Lab ID:	0211099-003
Project:	Hampstead-Quarterly	Collection Date:	11/06/2002 7:53
Matrix:	WASTEWATER		

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	11/10/2002 7:49
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:49
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:49
1,2-Dichlorobenzene	< 5.0	5.0	µg/L	11/10/2002 7:49



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Client: AG/GFI Hampstead	Client Sample ID: Air Stripper 2 (Pre)
Report No: 0212072	
Project: Hampstead-Monthly	Lab ID: 0212072-003
Matrix: WASTEWATER	Collection Date: 12/04/2002 9:00

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

VOLATILE ORGANIC COMPOUNDS (EPA 624)

Prep. Method: NA

Prep. Date: NA

Analyst: THP
Prep Analyst: NA

Chloromethane	< 10	10	µg/L	12/07/2002 15:25
Vinyl chloride	< 10	10	µg/L	12/07/2002 15:25
Bromomethane	< 10	10	µg/L	12/07/2002 15:25
Chloroethane	< 10	10	µg/L	12/07/2002 15:25
Acrolein	< 100	100	µg/L	12/07/2002 15:25
1,1-Dichloroethene	< 5.0	5.0	µg/L	12/07/2002 15:25
Methylene chloride	< 5.0	5.0	µg/L	12/07/2002 15:25
Acrylonitrile	< 100	100	µg/L	12/07/2002 15:25
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	12/07/2002 15:25
1,1-Dichloroethane	< 5.0	5.0	µg/L	12/07/2002 15:25
Chloroform	< 5.0	5.0	µg/L	12/07/2002 15:25
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	12/07/2002 15:25
Carbon tetrachloride	< 5.0	5.0	µg/L	12/07/2002 15:25
Benzene	< 5.0	5.0	µg/L	12/07/2002 15:25
1,2-Dichloroethane	< 5.0	5.0	µg/L	12/07/2002 15:25
Trichloroethene	200	5.0	µg/L	12/07/2002 15:25
1,2-Dichloropropane	< 5.0	5.0	µg/L	12/07/2002 15:25
Bromodichloromethane	< 5.0	5.0	µg/L	12/07/2002 15:25
2-Chloroethyl vinyl ether	< 10	10	µg/L	12/07/2002 15:25
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	12/07/2002 15:25
Toluene	< 5.0	5.0	µg/L	12/07/2002 15:25
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	12/07/2002 15:25
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	12/07/2002 15:25
Tetrachloroethene	64	5.0	µg/L	12/07/2002 15:25
Dibromochloromethane	< 5.0	5.0	µg/L	12/07/2002 15:25
Chlorobenzene	< 5.0	5.0	µg/L	12/07/2002 15:25
Ethylbenzene	< 5.0	5.0	µg/L	12/07/2002 15:25
Bromoform	< 5.0	5.0	µg/L	12/07/2002 15:25



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Client:	AG/GFI Hampstead	Client Sample ID:	Air Stripper 2 (Pre)
Report No:	0212072	Lab ID:	0212072-003
Project:	Hampstead-Monthly	Collection Date:	12/04/2002 9:00
Matrix:	WASTEWATER		

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	12/07/2002 15:25
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	12/07/2002 15:25
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	12/07/2002 15:25
1,2-Dichlorobenzene	< 5.0	5.0	µg/L	12/07/2002 15:25



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Client: AG/GFI Hampstead **Client Sample ID:** Outfall 201 (Post)
Report No: 0212072
Project: Hampstead-Monthly **Lab ID:** 0212072-002
Matrix: WASTEWATER **Collection Date:** 12/04/2002 8:31

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
VOLATILE ORGANIC COMPOUNDS (EPA 624)				
Prep. Method: <u>NA</u>	Prep. Date: <u>NA</u>		Analyst: THP	
			Prep Analyst: <u>NA</u>	
Chloromethane	< 10	10	µg/L	12/07/2002 14:21
Vinyl chloride	< 10	10	µg/L	12/07/2002 14:21
Bromomethane	< 10	10	µg/L	12/07/2002 14:21
Chloroethane	< 10	10	µg/L	12/07/2002 14:21
Acrolein	< 100	100	µg/L	12/07/2002 14:21
1,1-Dichloroethene	< 5.0	5.0	µg/L	12/07/2002 14:21
Methylene chloride	< 5.0	5.0	µg/L	12/07/2002 14:21
Acrylonitrile	< 100	100	µg/L	12/07/2002 14:21
trans-1,2-Dichloroethene	< 5.0	5.0	µg/L	12/07/2002 14:21
1,1-Dichloroethane	< 5.0	5.0	µg/L	12/07/2002 14:21
Chloroform	< 5.0	5.0	µg/L	12/07/2002 14:21
1,1,1-Trichloroethane	< 5.0	5.0	µg/L	12/07/2002 14:21
Carbon tetrachloride	< 5.0	5.0	µg/L	12/07/2002 14:21
Benzene	< 5.0	5.0	µg/L	12/07/2002 14:21
1,2-Dichloroethane	< 5.0	5.0	µg/L	12/07/2002 14:21
Trichloroethene	< 5.0	5.0	µg/L	12/07/2002 14:21
1,2-Dichloropropane	< 5.0	5.0	µg/L	12/07/2002 14:21
Bromodichloromethane	< 5.0	5.0	µg/L	12/07/2002 14:21
2-Chloroethyl vinyl ether	< 10	10	µg/L	12/07/2002 14:21
cis-1,3-Dichloropropene	< 5.0	5.0	µg/L	12/07/2002 14:21
Toluene	< 5.0	5.0	µg/L	12/07/2002 14:21
trans-1,3-Dichloropropene	< 5.0	5.0	µg/L	12/07/2002 14:21
1,1,2-Trichloroethane	< 5.0	5.0	µg/L	12/07/2002 14:21
Tetrachloroethene	< 5.0	5.0	µg/L	12/07/2002 14:21
Dibromochloromethane	< 5.0	5.0	µg/L	12/07/2002 14:21
Chlorobenzene	< 5.0	5.0	µg/L	12/07/2002 14:21
Ethylbenzene	< 5.0	5.0	µg/L	12/07/2002 14:21
Bromoform	< 5.0	5.0	µg/L	12/07/2002 14:21



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REPORT OF ANALYSIS

Test Results

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Client:	AG/GFI Hampstead	Client Sample ID:	Outfall 201 (Post)
Report No:	0212072		
Project:	Hampstead-Monthly	Lab ID:	0212072-002
Matrix:	WASTEWATER	Collection Date:	12/04/2002 8:31

Analyses	Test Results	Reporting Limit	Units	Date/Time Analyzed
1,1,2,2-Tetrachloroethane	< 5.0	5.0	µg/L	12/07/2002 14:21
1,3-Dichlorobenzene	< 5.0	5.0	µg/L	12/07/2002 14:21
1,4-Dichlorobenzene	< 5.0	5.0	µg/L	12/07/2002 14:21
1,2-Dichlorobenzene	< 5.0	5.0	µg/L	12/07/2002 14:21

**APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(NOVEMBER 2002)**



December 19, 2002

Gregg Flasiński
Roy F. Weston, Inc
1400 Weston Way
West Chester, PA 19380

**Reference: Analytical Data
Black & Decker**

Dear Mr. Flasiński:

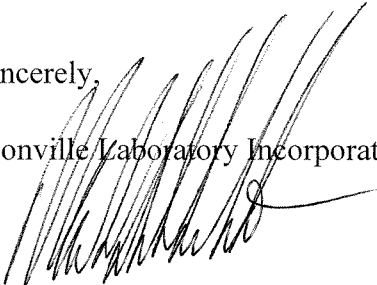
Lionville Laboratory Incorporated (LvLI) is pleased to deliver the following analytical data reports:

RFW Batch #	Date Received	Fraction
0211L254	11.27.02	Volatiles

If you have any questions please contact me at 610-280-3076.

Sincerely,

Lionville Laboratory Incorporated



Mark D. Haslett
Project Manager

Enclosure



Client: BLACK & DECKER
LVL #: 0211L254

W.O. #: 02501-004-002-0200-00
Date Received: 11-27-2002

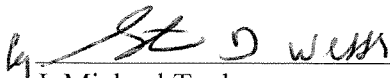
GC/MS VOLATILE

Thirty-two (32) water samples were collected on 11-25,26-2002.

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 12-03,04,05,06,07,18-2002.

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

1. All results presented in this report are derived from samples that met LVL's sample acceptance policy.
2. The required holding time for analysis was met with the exception of sample RFW-21, which was analyzed outside holding time. Upon client request, the sample results were investigated and appeared that the sample RFW-21 was lost due to the instrument error; however, inadvertently wrong sample vial was used for the reanalysis of sample RFW-21. Consequently, the sample was reanalyzed on 12-18-2002 and reported. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
3. Non-target compounds were detected in the samples.
4. Several samples required 2 to 10-fold dilution due to high levels of target compounds.
5. All surrogate recoveries were within EPA QC limits.
6. Two (2) of twenty (20) matrix spike recoveries were outside EPA QC limits. The out of range recoveries are due to the concentration found in the un-spiked sample.
7. All blank spike recoveries were within EPA QC limits.
8. The method blank 02LVG482-MB1 contained the common laboratory contaminant Acetone at a level less than the CRQL.
9. Internal standard area and retention time criteria were met.



J. Michael Taylor
President
Lionville Laboratory Incorporated

12-19-02
Date

som\group\data\bna\black-decker\0211-254.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 73 pages.

Lionville Laboratory Sample Discrepancy Report (SDR)

SDR #: 02VT277

Initiator: DRychlak
Date: 12/18/02
Client: Rock + Decker

Batch: 0017L254
Samples: CO6, O16
Method: SW846/MCAWW/CLP

Parameter: 0034
Matrix: water
Prep Batch: ---

1. Reason for SDR

- a. COC Discrepancy**
- Tech Profile Error Client Request Sampler Error on C-O-C
 Transcription Error Wrong Test Code Other _____
- b. General Discrepancy**
- Missing Sample/Extract* Container Broken Wrong Sample Pulled Label ID's Illegible
 Hold Time Exceeded Insufficient Sample* Preservation Wrong Received Past Hold
 Improper Bottle Type Not Amenable to Analysis

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

c. Problem (Include all relevant specific results; attach data if necessary) Ran O06 via Q A (1st analysis ok) Ran D16 via Q A (instrument error). It appears that when we reran O16, inadvertently vial B of O06 was used (client questioned) - LAB will now analyze the correct vial B of O16 out of hold. results will include handwritten

2. Known or Probable Causes(s)

3. Discussion and Proposed Action

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

Other Description: Re-Analyze

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

- Concur with Proposed Action
 Disagree with Proposed Action; See Instruction
 Include in Case Narrative
 Client Contacted:
Date/Person Tom Conover / 12.18.02
Phone conversation
 Add
 Cancel

5. Final Action...signature/date: DRychlak

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

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

Route Distribution of Completed SDR

- X Initiator
 X Lab General Manager: M. Taylor
 X Project Mgr: Stone/Johnson/Kaslett
 X Technical Mgr: Wesson/Daniels
 X QA (file)
 Data Management: Feldman
 Sample Prep: Beegle/Kiger

Route Distribution of Completed SDR

- Metals: Beegle
 Inorganic: Perrone
 GC/LC: Kiger
 MS: Rychlak/Layman
 Log-in: Melnic
 Admin: Soos
 Other: _____

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

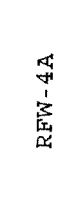
ABBREVIATIONS

- 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.



Sample Information	RFW-1A	RFW-1B	RFW-2A	RFW-2B	RFW-3B	RFW-4A
	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
Surrogate	89 %	91 %	96 %	101 %	99 %	100 %
Bromofluorobenzene	88 %	91 %	97 %	102 %	100 %	100 %
Recovery 1,2-Dichloroethane-d4	84 %	86 %	92 %	98 %	97 %	93 %
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 U	5 U	5 U	5 U	5 U	5 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	22	2
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	1
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	5 U	1 J	3 J	5 U	2 J	5 U
Vinyl Acetate	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	11	2 J	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	12	63
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	12	65
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U

* = Outside of EPA CLP QC Limits.

	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.

Cust ID: RFW-4B RFW-6 RFW-7 RFW-9 RFW-11B RFW-12B
 RFW# 007 008 009 010 011 012
 Matrix: WATER WATER WATER WATER WATER WATER
 D.F.: 1.00 1.00 1.00 1.00 1.00 2.00
 Units: UG/L UG/L UG/L UG/L UG/L UG/L

Sample Information	RFW#	Matrix	D.F.	Units	RFW-4B	RFW-6	RFW-7	RFW-9	RFW-11B	RFW-12B
Surrogate	007	WATER	1.00	UG/L	100	100	101	101	95	96
Toluene-d8				%	%	%	%	%	%	%
Bromofluorobenzene				%	100	100	103	102	97	92
Recovery	008	WATER	1.00	UG/L	95	97	97	98	92	93
1,2-Dichloroethane-d4				%	%	%	%	%	%	%
Chloromethane				U	10	10	10	10	10	20
Bromomethane				U	10	10	10	10	10	20
Vinyl Chloride				U	10	10	10	10	10	20
Chloroethane				U	10	10	10	10	10	20
Methylene Chloride				U	5	5	5	5	5	10
Acetone				U	10	10	10	10	10	20
Carbon Disulfide				U	5	5	5	5	5	10
1,1-Dichloroethene				U	5	5	5	5	5	10
1,1-Dichloroethane				U	5	5	5	5	5	10
1,2-Dichloroethene (total)				U	9	2	3	2	5	10
Chloroform				U	5	5	5	9	5	13
1,2-Dichloroethane				U	5	5	5	5	5	10
2-Butanone				U	10	10	10	10	10	20
1,1,1-Trichloroethane				U	5	5	5	2	5	10
Carbon Tetrachloride				U	5	5	5	5	5	10
Vinyl Acetate				U	10	10	10	10	10	20
Bromodichloromethane				U	5	5	5	5	5	10
1,2-Dichloropropane				U	5	5	5	5	5	10
cis-1,3-Dichloropropene				U	5	5	5	5	5	10
Trichloroethene				U	7	10	14	33	99	280
Dibromochloromethane				U	5	5	5	5	5	10
1,1,2-Trichloroethane				U	5	5	5	5	5	10
Benzene				U	5	5	5	5	5	10
Trans-1,3-Dichloropropene				U	5	5	5	5	5	10
Bromoform				U	5	5	5	5	5	10
4-Methyl-2-pentanone				U	10	10	10	10	10	20
2-Hexanone				U	10	10	10	10	10	20
Tetrachloroethene				U	70	10	5	12	3	18
1,1,2,2-Tetrachloroethane				U	5	5	5	5	5	10

*= Outside of EPA CLP QC limits.

RFW Batch Number: 0211L254

Client: BLACK & DECKER

Work Order: 02501004002 Page: 2b

Cust ID:

RFW-4B

RFW-6

RFW-7

RFW-9

RFW-11B

RFW-12B

RFW#:

007

008

009

010

011

012

Toluene	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Styrene	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Xylene (total)	5	U	5	U	5	U	5	U	5	U	5	U	10	U

*= Outside of EPA CLP QC limits.

012

Lionville Laboratory, Inc.

Volatiles by GC/MS, HSL List

Report Date: 12/19/02 10:10

RFW Batch Number: 0211L254

Client: BLACK & DECKER Work Order: 02501004002 Page: 3a

Cust ID: RFW-13 RFW-17 RFW-20 RFW-21 HAMP-22 HAMP-23

Sample Information	RFW#:	Matrix:	D.F.:	Units:	RFW-13	RFW-17	RFW-20	RFW-21	HAMP-22	HAMP-23
	013	WATER	1.00	UG/L	014	015	016	017	018	
			1.00	UG/L	WATER	WATER	WATER	WATER	WATER	
			1.00	UG/L	1.00	1.00	1.00	1.00	1.00	1.00
			UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate	Toluene-d8		88	%						
Recovery	Bromofluorobenzene		91	%						
	1,2-Dichloroethane-d4		86	%						
	Chloromethane		10	U	87	93	96	92	100	
	Bromomethane		10	U	10	10	10	10	10	10
	Vinyl Chloride		10	U	10	10	10	10	10	10
	Chloroethane		10	U	10	10	10	10	10	10
	Methylene Chloride		5	U	5	5	5	5	5	5
	Acetone		9	J	10	14	2	10	10	5
	Carbon Disulfide		5	U	5	5	5	5	5	5
	1,1-Dichloroethene		1	J	5	5	5	5	5	5
	1,1-Dichloroethane		5	U	5	5	5	5	5	5
	1,2-Dichloroethene (total)		5	U	5	5	5	5	5	5
	Chloroform		5	U	5	5	5	5	5	5
	1,2-Dichloroethane		5	U	5	5	5	5	5	5
	2-Butanone		10	U	10	10	10	10	10	10
	1,1,1-Trichloroethane		5	U	5	5	5	5	5	5
	Carbon Tetrachloride		5	U	5	5	5	5	5	5
	Vinyl Acetate		10	U	10	10	10	10	10	10
	Bromodichloromethane		5	U	5	5	5	5	5	5
	1,2-Dichloropropane		5	U	5	5	5	5	5	5
	cis-1,3-Dichloropropene		5	U	5	5	5	5	5	5
	Trichloroethene		34		5	2	5	5	5	5
	Dibromochloromethane		5	U	5	5	5	5	5	5
	1,1,2-Trichloroethane		5	U	5	5	5	5	5	5
	Benzene		5	U	5	5	5	5	5	5
	Trans-1,3-Dichloropropene		5	U	5	5	5	5	5	5
	Bromoform		5	U	5	5	5	5	5	5
	4-Methyl-2-pentanone		10	U	10	10	10	10	10	10
	2-Hexanone		10	U	10	10	10	10	10	10
	Tetrachloroethene		100		1	5	5	5	5	5
	1,1,2,2-Tetrachloroethane		5	U	5	5	5	5	5	5

*= Outside of EPA CLP QC limits.

RFW Batch Number: 0211L254

Client: BLACK & DECKER

Work Order: 02501004002 Page: 3b

Cust ID:

RFW-13

RFW-20

HAMP-22

HAMP-23

RFW#:

013

014

015

016

017

018

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

* = Outside of EPA CLP QC limits.

Cust ID: LEISTER-1 LEISTER-DAIR Y

Sample Information
 RFW#: 019
 Matrix: WATER
 D.F.: 1.00
 Units: UG/L

EW-2 021 DL WATER 10.0 UG/L
 EW-2 021 MS WATER 5.00 UG/L
 EW-2 021 MSD WATER 5.00 UG/L

Sample Information	019 WATER	020 WATER	021 WATER	021 DL WATER	021 MS WATER	021 MSD WATER
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Toluene-d8	94 %	94 %	100 %	105 %	97 %	100 %
Recovery Bromofluorobenzene	96 %	96 %	99 %	105 %	101 %	102 %
1,2-Dichloroethane-d4	89 %	92 %	98 %	102 %	97 %	95 %
Chloromethane	10 U	10 U	50 U	NA	50 U	50 U
Bromomethane	10 U	10 U	50 U	NA	50 U	50 U
Vinyl Chloride	10 U	10 U	50 U	NA	50 U	50 U
Chloroethane	10 U	10 U	50 U	NA	50 U	50 U
Methylene Chloride	5 U	5 U	25 U	NA	25 U	25 U
Acetone	10 U	10 U	50 U	NA	50 U	50 U
Carbon Disulfide	5 U	5 U	25 U	NA	25 U	25 U
1,1-Dichloroethene	5 U	5 U	25 U	NA	25 U	25 U
1,1-Dichloroethane	5 U	5 U	25 U	NA	102 %	97 %
1,2-Dichloroethene (total)	5 U	5 U	25 U	NA	25 U	25 U
Chloroform	5 U	5 U	25 U	NA	25 U	25 U
1,2-Dichloroethane	5 U	5 U	25 U	NA	25 U	25 U
2-Butanone	10 U	10 U	50 U	NA	50 U	50 U
1,1,1-Trichloroethane	5 U	5 U	25 U	NA	25 U	25 U
Carbon Tetrachloride	5 U	5 U	25 U	NA	25 U	25 U
Vinyl Acetate	10 U	10 U	50 U	NA	50 U	50 U
Bromodichloromethane	5 U	5 U	25 U	NA	25 U	25 U
1,2-Dichloropropane	5 U	5 U	25 U	NA	25 U	25 U
cis-1,3-Dichloropropene	5 U	5 U	25 U	NA	25 U	25 U
Trichloroethene	5 U	5 U	25 U	NA	25 U	25 U
Dibromochloromethane	5 U	5 U	25 U	900	67 * %	54 * %
1,1,2-Trichloroethane	5 U	5 U	25 U	NA	25 U	25 U
Benzene	5 U	5 U	25 U	NA	25 U	25 U
Trans-1,3-Dichloropropene	5 U	5 U	25 U	NA	25 U	25 U
Bromoform	5 U	5 U	25 U	NA	98 %	96 %
4-Methyl-2-pentanone	5 U	5 U	25 U	NA	25 U	25 U
2-Hexanone	10 U	10 U	50 U	NA	25 U	25 U
Tetrachloroethene	10 U	10 U	50 U	NA	50 U	50 U
1,1,2,2-Tetrachloroethane	5 U	2 J	95 U	NA	50 U	50 U
	5 U	5 U	25 U	71	85	86

* = Outside of EPA CLP QC limits.

	019	020	021	021 DL	021 MS	021 MSD
Toluene	5 U	5 U	25 U	NA	97 %	100 %
Chlorobenzene	5 U	5 U	25 U	NA	94 %	99 %
Ethylbenzene	5 U	5 U	25 U	NA	25 U	25 U
Styrene	5 U	5 U	25 U	NA	25 U	25 U
Xylene (total)	5 U	5 U	25 U	NA	25 U	25 U

* = Outside of EPA CLP QC limits.

Sample Information	RFW#:	Matrix:	D.F.:	Units:	EW-3	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-5
					022	023	023 DL	023 MS	023 MSD	024		
					WATER	WATER	WATER	WATER	WATER	WATER		
					5.00	5.00	10.0	5.00	5.00	5.00		
					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L		UG/L
Toluene-d8					%	%	%	%	%	%	%	%
Surrogate					106	103	97	112	107	90		
Bromofluorobenzene					%	%	%	%	%	%	%	%
Recovery					107	104	99	114	108	91		
1,2-Dichloroethane-d4					101	100	94	109	104	90		
Chloromethane					50	50	NA	50	50	50		
Bromomethane					50	50	NA	50	50	50		
Vinyl Chloride					50	50	NA	50	50	50		
Chloroethane					50	50	NA	50	50	50		
Methylene Chloride					25	25	NA	25	25	25		
Acetone					50	50	NA	50	50	50		
Carbon Disulfide					25	25	NA	25	25	25		
1,1-Dichloroethene					25	25	NA	100	88	25		
1,1-Dichloroethane					25	25	NA	25	25	25		
1,2-Dichloroethene (total)					25	25	NA	25	25	25		
Chloroform					25	25	NA	25	25	25		
1,2-Dichloroethane					25	25	NA	25	25	25		
2-Butanone					50	50	NA	50	50	50		
1,1,1-Trichloroethane					25	25	NA	25	25	25		
Carbon Tetrachloride					25	25	NA	25	25	25		
Vinyl Acetate					50	50	NA	50	50	50		
Bromodichloromethane					25	25	NA	25	25	25		
1,2-Dichloropropane					25	25	NA	25	25	25		
cis-1,3-Dichloropropene					25	25	NA	25	25	25		
Trichloroethene					330		1400	86	87	390		
Dibromochloromethane					25	25	NA	25	25	25		
1,1,2-Trichloroethane					25	25	NA	25	25	25		
Benzene					25	25	NA	101	88	25		
Trans-1,3-Dichloropropene					25	25	NA	25	25	25		
Bromoform					25	25	NA	25	25	25		
4-Methyl-2-pentanone					50	50	NA	50	50	50		
2-Hexanone					50	50	NA	50	50	50		
Tetrachloroethene					10	30	31	29	30	17		
1,1,2,2-Tetrachloroethane					25	25	NA	25	25	25		

* = Outside of EPA CLP QC Limits.

EW-5
 024

EW-4

EW-4

EW-4

EW-4

EW-3

RFW#:	022	023	023 DL	023 MS	023 MSD
Toluene	25 U	25 U	NA	100 %	89 %
Chlorobenzene	25 U	25 U	NA	99 %	87 %
Ethylbenzene	25 U	25 U	NA	25 U	25 U
Styrene	25 U	25 U	NA	25 U	25 U
Xylene (total)	25 U	25 U	NA	25 U	25 U

* = Outside of EPA CLP QC limits.

Cust ID:

EW-6 EW-7 EW-8 EW-9 EW-9 DUP EW-10

Sample Information
 RFW#: 025
 Matrix: WATER
 D.F.: 1.00
 Units: UG/L

Sample Information	EW-6	EW-7	EW-8	EW-9	EW-9 DUP	EW-10
Surrogate	97	96	100	107	104	104
Bromofluorobenzene	%	%	%	%	%	%
Recovery	%	%	%	%	%	%
1,2-Dichloroethane-d4	%	%	%	%	%	%
Chloromethane	10 U	10 U	10 U	20 U	20 U	10 U
Bromomethane	10 U	10 U	10 U	20 U	20 U	10 U
Vinyl Chloride	10 U	10 U	10 U	20 U	20 U	10 U
Chloroethane	10 U	10 U	10 U	20 U	20 U	10 U
Methylene Chloride	5 U	5 U	5 U	10 U	10 U	5 U
Acetone	10 U	10 U	10 U	20 U	20 U	10 U
Carbon Disulfide	5 U	5 U	5 U	10 U	10 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	10 U	10 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	10 U	10 U	5 U
1,2-Dichloroethene (total)	5 U	1 J	2 J	10 U	10 U	5 U
Chloroform	5 U	10	41	2 J	2 J	5 U
1,2-Dichloroethane	5 U	5 U	5 U	10 U	10 U	5 U
2-Butanone	5 U	5 U	5 U	10 U	10 U	5 U
1,1,1-Trichloroethane	10 U	10 U	10 U	20 U	20 U	10 U
Carbon Tetrachloride	5 U	5 U	1 J	10 U	10 U	5 U
Vinyl Acetate	5 U	5 U	5 U	10 U	10 U	5 U
Bromodichloromethane	10 U	10 U	10 U	20 U	20 U	10 U
1,2-Dichloropropane	5 U	5 U	5 U	10 U	10 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	10 U	10 U	5 U
Trichloroethene	5 U	5 U	5 U	10 U	10 U	5 U
Dibromochloromethane	18	13	25	4 J	4 J	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	10 U	10 U	5 U
Benzene	5 U	5 U	5 U	10 U	10 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	10 U	10 U	5 U
Bromoform	5 U	5 U	5 U	10 U	10 U	5 U
4-Methyl-2-pentanone	5 U	5 U	5 U	10 U	10 U	5 U
2-Hexanone	10 U	10 U	10 U	20 U	20 U	10 U
Tetrachloroethene	10 U	10 U	10 U	20 U	20 U	10 U
1,1,2,2-Tetrachloroethane	32	27	130	200	210	7
	5 U	5 U	5 U	10 U	10 U	5 U

* = Outside of EPA CLP QC limits.

REM Estimate Number: 02111L254

Client: BLACK & DECKER

Work Order: 02501004002

Page: 6b

Cust ID:

EW-6

EW-7

EW-8

EW-9

EW-9 DUP

EW-10

RFW#:

025

026

027

028

029

030

Toluene										
Chlorobenzene	5	U	5	U	5	U	10	U	10	U
Ethylbenzene	5	U	5	U	5	U	10	U	10	U
Styrene	5	U	5	U	5	U	10	U	10	U
Xylene (total)	5	U	5	U	5	U	10	U	10	U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 0211L254

Client: BLACK & DECKER

Cust ID: RFW-4B DUP

Sample Information
 RFW#: 031
 Matrix: WATER
 D.F.: 1.00
 Units: UG/L

TRIP BLANK
 WATER
 1.00 UG/L

VBLKBE
 WATER
 1.00 UG/L

VBLKBF
 WATER
 1.00 UG/L

VBLKBG
 WATER
 1.00 UG/L

VBLKGB BS
 WATER
 1.00 UG/L

Surrogate	100 %	96 %	96 %	96 %	103 %	103 %	103 %	103 %	105 %
Toluene-d8	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromofluorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Recovery 1,2-Dichloroethane-d4	94 %	92 %	98 %	90 %	107 %	98 %	101 %	90 %	86 %
Chloromethane	10 U	10 U	10 U	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	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	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	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10 U	10 U	10 U	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	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	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	5 U	5 U	5 U
1,2-Dichloroethene (total)	8	5 U	5 U	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	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	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	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	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	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	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	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	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	5 U	5 U	5 U
Trichloroethene	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	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	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	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	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	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	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	71	5 U	5 U	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	5 U	5 U	5 U

* = Outside of EPA CLP QC limits.

REV Batch Number: 0211L254 Client: BLACK & DECKER Work Order: 02501004002 Page: 7b
 Cust ID: RFW-4B DUP TRIP BLANK VBLKBE VBLKBF VBLKBG VBLKBG BS
 RFW#: 031 032 02LVK465-MB1 02LVK466-MB1 02LVK467-MB1 02LVK467-MB1

	031	032	02LVK465-MB1	02LVK466-MB1	02LVK467-MB1	02LVK467-MB1	%
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	97
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	95
Ethylbenzene	5 U	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	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U

* = Outside of EPA CLP QC limits.

Cust ID: VBLKBQ

VBLKBH

VBLKBH BS

Sample Information
 RFW#: 02LVG482-MB1 02LVK469-MB1 02LVK469-MB1
 Matrix: WATER WATER WATER
 D.F.: 1.00 1.00 1.00
 Units: UG/L UG/L UG/L

Surrogate	98 %	100 %	97 %
Toluene-d8	10 U	10 U	10 U
Bromofluorobenzene	87 %	98 %	103 %
Recovery 1,2-Dichloroethane-d4	96 %	96 %	92 %
Chloromethane	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U
Acetone	2 J	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	95 %
1,1-Dichloroethane	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U
Trichloroethene	5 U	5 U	109 %
Dibromochloromethane	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U
Benzene	5 U	5 U	95 %
Trans-1,3-Dichloropropene	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U

* = Outside of EPA CLP QC limits.

Cust ID: VBLKBQ

VBLKBH

VBLKBH BS

RFW#: 02LVG482-MB1 02LVK469-MB1 02LVK469-MB1

Toluene	5	U	5	U	96	%
Chlorobenzene	5	U	5	U	96	%
Ethylbenzene	5	U	5	U	5	U
Styrene	5	U	5	U	5	U
Xylene (total)	5	U	5	U	5	U

* = Outside of EPA CLP QC limits.

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-1A

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-001

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

Lab File ID: k120310

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/03/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SILOXANE	14.252	5	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-1B

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120311

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/03/02

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

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-2A

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120312

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/03/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-2B

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-004

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

Lab File ID: k120313

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/03/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-3B

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-005

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

Lab File ID: k120314

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/03/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-4A

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-006

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120315

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/03/02

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

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-4B

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-007

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

Lab File ID: k120316

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/03/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-6

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-008

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

Lab File ID: k120317

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/03/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-7

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-009

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120318

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/03/02

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

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-9

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-010

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120319

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/03/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-11B

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-011

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120405

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/04/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-12B

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-012

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120515

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/05/02

Column: (pack/cap) CAP Dilution Factor: 2.00

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-13

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120406

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/04/02

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

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-17

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-014

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120407

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/04/02

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1634044	PROPANE, 2-METHOXY-2-METHYL-	12.147	40	NJ

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-20

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-015

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

Lab File ID: k120408

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/04/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-21

Lab Name: Lionville Labs, Inc. Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER

Lab Sample ID: 0211L254-016

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

Lab File ID: g121817

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec.

Date Analyzed: 12/18/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HAMP-22

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-017

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

Lab File ID: k120507

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/05/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

CONCENTRATION UNITS:

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HAMP-23

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-018

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120411

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/04/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LEISTER-1

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-019

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120412

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/04/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LEISTER-DAIRY

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-020

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

Lab File ID: k120413

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/04/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-2

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-021

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120608

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/06/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-2DL

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-021 DL

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

Lab File ID: k120508

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/05/02

Column: (pack/cap) CAP

Dilution Factor: 10.0

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-3

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-022

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120509

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/05/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-4

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-023

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120516

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/05/02

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

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-4DL

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-023 DL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120606

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/06/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-5

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-024

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

Lab File ID: k120511

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/05/02

Column: (pack/cap) CAP

Dilution Factor: 5.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-6

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-025

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

Lab File ID: k120414

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/04/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-7

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-026

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

Lab File ID: k120415

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/04/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-8

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-027

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

Lab File ID: k120416

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/04/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-9

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-028

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

Lab File ID: k120512

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/05/02

Column: (pack/cap) CAP

Dilution Factor: 2.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-9 DUP

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-029

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120513

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/05/02

Column: (pack/cap) CAP Dilution Factor: 2.00

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW-10

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-030

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120605

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/06/02

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SILOXANE	14.266	5	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RFW-4B DUP

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-031

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120417

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/04/02

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

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

Number TICs found: 0

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-032

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

Lab File ID: k120418

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/04/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKBE

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 02LVK465-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120309

Level: (low/med) LOW Date Received: 12/03/02

% Moisture: not dec. _____ Date Analyzed: 12/03/02

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKBF

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 02LVK466-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120404

Level: (low/med) LOW Date Received: 12/04/02

% Moisture: not dec. _____ Date Analyzed: 12/04/02

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

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKBG

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 02LVK467-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120503

Level: (low/med) LOW Date Received: 12/05/02

% Moisture: not dec. _____ Date Analyzed: 12/05/02

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

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

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

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

VBLKBGMS

Lab Name: Lionville Labs, Inc. Contract: NONE

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

Matrix: (soil/water) WATER Lab Sample ID: 02LVK467-MB1 BS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120504

Level: (low/med) LOW Date Received: 12/05/02

% Moisture: not dec. _____ Date Analyzed: 12/05/02

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		SP
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		SP
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		SP
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		SP
108-90-7	Chlorobenzene		SP
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKBQ

Lab Name: Lionville Labs, Inc. Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER

Lab Sample ID: 02LVG482-MB1

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

Lab File ID: g121804

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: not dec.

Date Analyzed: 12/18/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

CONCENTRATION UNITS:

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKBH

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 02LVK469-MB1

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

Lab File ID: k120603

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. _____

Date Analyzed: 12/06/02

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

VBLKBHMS

Lab Name: Lionville Labs, Inc. Contract: NONE

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

Matrix: (soil/water) WATER Lab Sample ID: 02LVK469-MB1 BS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120604

Level: (low/med) LOW Date Received: 12/06/02

% Moisture: not dec. _____ Date Analyzed: 12/06/02

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		SP
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		SP
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		SP
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		SP
108-90-7	Chlorobenzene		SP
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

SP: SPIKE COMPOUND

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1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

EW-2MS

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-021 MS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120609

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/06/02

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L

74-87-3	-----Chloromethane	50	U
74-83-9	-----Bromomethane	50	U
75-01-4	-----Vinyl Chloride	50	U
75-00-3	-----Chloroethane	50	U
75-09-2	-----Methylene Chloride	25	U
67-64-1	-----Acetone	50	U
75-15-0	-----Carbon Disulfide	25	U
75-35-4	-----1,1-Dichloroethene		SP
75-34-3	-----1,1-Dichloroethane	25	U
540-59-0	-----1,2-Dichloroethene (total)	25	U
67-66-3	-----Chloroform	25	U
107-06-2	-----1,2-Dichloroethane	25	U
78-93-3	-----2-Butanone	50	U
71-55-6	-----1,1,1-Trichloroethane	25	U
56-23-5	-----Carbon Tetrachloride	25	U
108-05-4	-----Vinyl Acetate	50	U
75-27-4	-----Bromodichloromethane	25	U
78-87-5	-----1,2-Dichloropropane	25	U
10061-01-5	-----cis-1,3-Dichloropropene	25	U
79-01-6	-----Trichloroethene		SP
124-48-1	-----Dibromochloromethane	25	U
79-00-5	-----1,1,2-Trichloroethane	25	U
71-43-2	-----Benzene		SP
10061-02-6	-----Trans-1,3-Dichloropropene	25	U
75-25-2	-----Bromoform	25	U
108-10-1	-----4-Methyl-2-pentanone	50	U
591-78-6	-----2-Hexanone	50	U
127-18-4	-----Tetrachloroethene	85	
79-34-5	-----1,1,2,2-Tetrachloroethane	25	U
108-88-3	-----Toluene		SP
108-90-7	-----Chlorobenzene		SP
100-41-4	-----Ethylbenzene	25	U
100-42-5	-----Styrene	25	U
1330-20-7	-----Xylene (total)	25	U

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

EW-2MSD

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-021 MSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120610

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/07/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	25	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene		SP
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene		SP
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene		SP
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	86	
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene		SP
108-90-7	Chlorobenzene		SP
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

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1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

EW-4MS

Lab Name: Lionville Labs, Inc. Contract: 02501004002

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

Matrix: (soil/water) WATER Lab Sample ID: 0211L254-023 MS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: k120517

Level: (low/med) LOW Date Received: 11/27/02

% Moisture: not dec. _____ Date Analyzed: 12/05/02

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L

74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	25	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene		SP
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene		SP
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene		SP
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	29	
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene		SP
108-90-7	Chlorobenzene		SP
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

EW-4MSD

Lab Name: Lionville Labs, Inc. Contract: 02501004002

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0211L254-023 MSD

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

Lab File ID: k120518

Level: (low/med) LOW

Date Received: 11/27/02

% Moisture: not dec. _____

Date Analyzed: 12/05/02

Column: (pack/cap) CAP

Dilution Factor: 5.00

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L

74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	25	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene		SP
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene		SP
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene		SP
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	30	
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene		SP
108-90-7	Chlorobenzene		SP
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

SP: SPIKE COMPOUND

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Lionville Laboratory, Inc.
 VOA ANALYTICAL DATA PACKAGE FOR
 BLACK & DECKER

DATE RECEIVED: 11/27/02

LVL LOT # :0211L254

CLIENT ID	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
RFW-1A	001	W	02LVK465	11/25/02	N/A	12/03/02
RFW-1B	002	W	02LVK465	11/25/02	N/A	12/03/02
RFW-2A	003	W	02LVK465	11/25/02	N/A	12/03/02
RFW-2B	004	W	02LVK465	11/25/02	N/A	12/03/02
RFW-3B	005	W	02LVK465	11/26/02	N/A	12/03/02
RFW-4A	006	W	02LVK465	11/26/02	N/A	12/03/02
RFW-4B	007	W	02LVK465	11/26/02	N/A	12/03/02
RFW-6	008	W	02LVK465	11/26/02	N/A	12/03/02
RFW-7	009	W	02LVK465	11/26/02	N/A	12/03/02
RFW-9	010	W	02LVK465	11/26/02	N/A	12/03/02
RFW-11B	011	W	02LVK466	11/26/02	N/A	12/04/02
RFW-12B	012	W	02LVK467	11/26/02	N/A	12/05/02
RFW-13	013	W	02LVK466	11/26/02	N/A	12/04/02
RFW-17	014	W	02LVK466	11/25/02	N/A	12/04/02
RFW-20	015	W	02LVK466	11/26/02	N/A	12/04/02
RFW-21	016	W	02LVG482	11/25/02	N/A	12/18/02
HAMP-22	017	W	02LVK467	11/25/02	N/A	12/05/02
HAMP-23	018	W	02LVK466	11/25/02	N/A	12/04/02
LEISTER-1	019	W	02LVK466	11/26/02	N/A	12/04/02
LEISTER-DAIRY	020	W	02LVK466	11/26/02	N/A	12/04/02
EW-2	021	W	02LVK469	11/25/02	N/A	12/06/02
EW-2	021	D1	W 02LVK467	11/25/02	N/A	12/05/02
EW-2	021	MS	W 02LVK469	11/25/02	N/A	12/06/02
EW-2	021	MSD	W 02LVK469	11/25/02	N/A	12/07/02
EW-3	022	W	02LVK467	11/25/02	N/A	12/05/02
EW-4	023	W	02LVK467	11/25/02	N/A	12/05/02
EW-4	023	D1	W 02LVK469	11/25/02	N/A	12/06/02
EW-4	023	MS	W 02LVK467	11/25/02	N/A	12/05/02
EW-4	023	MSD	W 02LVK467	11/25/02	N/A	12/05/02
EW-5	024	W	02LVK467	11/25/02	N/A	12/05/02
EW-6	025	W	02LVK466	11/25/02	N/A	12/04/02
EW-7	026	W	02LVK466	11/25/02	N/A	12/04/02
EW-8	027	W	02LVK466	11/25/02	N/A	12/04/02
EW-9	028	W	02LVK467	11/25/02	N/A	12/05/02
EW-9 DUP	029	W	02LVK467	11/25/02	N/A	12/05/02
EW-10	030	W	02LVK469	11/25/02	N/A	12/06/02
RFW-4B DUP	031	W	02LVK466	11/26/02	N/A	12/04/02
TRIP BLANK	032	W	02LVK466	11/25/02	N/A	12/04/02

LAB QC:

67

Lionville Laboratory, Inc.
VOA ANALYTICAL DATA PACKAGE FOR
BLACK & DECKER

DATE RECEIVED: 11/27/02

LVL LOT # :0211L254

CLIENT ID	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
VBLKBE	MB1	W	02LVK465	N/A	N/A	12/03/02
VBLKBF	MB1	W	02LVK466	N/A	N/A	12/04/02
VBLKBG	MB1	W	02LVK467	N/A	N/A	12/05/02
VBLKBG	MB1 BS -	W	02LVK467	N/A	N/A	12/05/02
VBLKBQ	MB1	W	02LVG482	N/A	N/A	12/18/02
VBLKBH	MB1	W	02LVK469	N/A	N/A	12/06/02
VBLKBH	MB1 BS ✓	W	02LVK469	N/A	N/A	12/06/02

Custody Transfer Record/Lab Work Request

Lionville Laboratory Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS



02/11/254

Client Black & Decker
 Est. Final Proj. Sampling Date 002
 Project # 02501.004.004.0200-00
 Project Contact/Phone # Greg Elanski 610.701.7283
 Lionville Laboratory Project Manager Mark Hazlett
 QC SW346 Del STD TAT 28 days

Date Rec'd 11/27/02 Date Due 12-25-02

Refrigerator #	Liquid		Solid		Volume	Preservatives	ORGANIC				INORG		
	Container	Volume	Container	Volume			VOA	BNA	PCB	Herb	Metal	CN	
1													
2													
404													
HCL													

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Date Collected	Time Collected	Matrix	ANALYSES REQUESTED	
			MS	MSD				PCB	Herb
S - Soil	001	RFW-1A			11/25/02	1600	W		0624H
SE - Sediment	002	RFW-1B			11/25/02	1225			
SO - Solid	003	RFW-2A			11/25/02	1500			
SL - Sludge	004	RFW-2B			11/25/02	1540			
W - Water	005	RFW-3B			11/26/02	1150			
O - Oil	006	RFW-4A			11/26/02				
A - Air	007	RFW-4B			11/26/02				
DS - Drum Solids	008	RFW-6			11/25/02	1910			
DL - Drum Liquids	009	RFW-7			11/26/02				
L - EP/TCLP Leachate	010	RFW-9			11/26/02	1300			
WI - Wipe									
X - Other									
F - Fish									

Special Instructions:

DATE/REVISIONS:

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

Lionville Laboratory Use Only

Samples were:

1) Shipped _____ or Hand Delivered _____

2) Ambient or Chilled Condition Y or N

3) Received in Good Condition Y or N

4) Samples Properly Preserved Y or N

5) Received Within Holding Times Y or N

6) Samples Unbroken on Sample Y or N

7) Samples Unbroken on Package Y or N

8) Samples Unbroken on Outer Package Y or N

9) Samples Present on Sample Y or N

10) Samples Present on Package Y or N

11) Samples Present on Outer Package Y or N

12) Samples Present on Hand Delivered Airbill # _____

13) Samples Present on Cooler Temp. _____ °C

Relinquished by [Signature] Date 11-27-02 Time 0915

Received by [Signature] Date _____ Time _____

Relinquished by _____ Date _____ Time _____

Received by _____ Date _____ Time _____

Relinquished by _____ Date _____ Time _____

Received by _____ Date _____ Time _____

Relinquished by _____ Date _____ Time _____

Received by _____ Date _____ Time _____

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES:



Custody Transfer Record/Lab Work Request

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Lionville Laboratory Use Only
02112254

Client Black + Decker
 Est. Final Proj. Sampling Date See above
 Project # _____
 Project Contact/Phone # _____
 Lionville Laboratory Project Manager _____
 QC _____ Del _____ TAT _____

Date Rec'd _____ Date Due _____

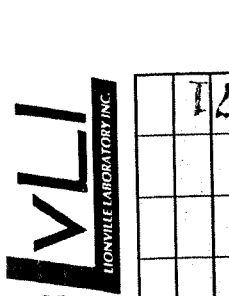
MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum DL - Drum L - Liquids EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	Lionville Laboratory Use Only						
			MS	MSD				VOA	BNA	Pest	Herb			
	011	RFW-11B			W	11/26/02	1315	0624H						
	012	RFW-12B				11/26/02	1330							
	013	RFW-13				11/26/02	1400							
	014	RFW-17				11/25/02	1840							
	015	RFW-20				11/25/02								
	016	RFW-21				11/25/02								
	017	HAMP-22				11/25/02								
	018	HAMP-23				11/26/02								
	019	Leister - 1				11/26/02								
	020	Leister - Dairy				11/26/02								

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

Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	11-27-02	0915

Lionville Laboratory Use Only
 Samples were:
 1) Shipped _____ or
 Hand Delivered _____
 Airbill # _____
 2) Ambient or Chilled
 3) Received in Good
 Condition Y or N
 4) Samples Properly Preserved Y or N
 5) Received Within Holding Times Y or N
 6) Samples Y or N
 7) Properly Preserved Y or N
 8) Coc Record Present Upon Sample Rec't Y or N
 9) Cooler Temp. _____ °C

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



FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Lionville Laboratory Use Only
0211254

Client Bleck & Decker
 Est. Final Proj. Sampling Date _____
 Project # See Page 1
 Project Contact/Phone # _____
 Lionville Laboratory Project Manager _____
 QC _____ Del _____ TAT _____

Date Rec'd 11/27/02 Date Due _____

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum DL - Drum L - Liquids EPT/CLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix Chosen (✓)		Date Collected	Time Collected	Lionville Laboratory Use Only							
			MS	MSD			VOA	BNA	PCB	Herb	Metal	INORG		
	021	EW-2			11/25/02	1340	0624H							
	022	EW-3				1345								
	023	EW-4				1350								
	024	EW-5				1355								
	025	EW-6				1435								
	026	EW-7				1425								
	027	EW-8				1420								
	028	EW-9				1410								
	029	EW-9 Dup				1410								
	030	EW-10				1405								

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

Special Instructions:

Relinquished by [Signature] Date 11-27-02 Time 0915
 Received by [Signature] Date _____ Time _____

Relinquished by _____ Date _____ Time _____
 Received by _____ Date _____ Time _____

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

Lionville Laboratory Use Only

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

Tamper Resistant Seal was:
 1) Present on Outer Package Y or N _____
 2) Unbroken on Outer Package Y or N _____
 3) Present on Sample Y or N _____
 4) Unbroken on Sample Y or N _____
 COC Record Present Upon Sample Receipt Y or N _____
 Cooler Temp. _____ °C



Custody Transfer Record/Lab Work Request

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Lionville Laboratory Use Only
02/11/254

Client Black + Becker
 Est. Final Proj. Sampling Date See Page 1
 Project # _____
 Project Contact/Phone # _____
 Lionville Laboratory Project Manager _____
 QC _____ Del. _____ TAT _____

Date Rec'd 11/27/02 Date Due _____

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum DL - Drum L - Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix Chosen (✓)		Date Collected	Time Collected	Lionville Laboratory Use Only														
			MS	MSD			VOA	BNA	PCB	Herb	Metal	INORG									
	031	RFW-4B Dup			11/26/02																
	037	Trip Blank			11/25/02	800															

Special Instructions:

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

Lionville Laboratory Use Only

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

Tamper Resistant Seal was:
 1) Present on Outer Package Y or N
 2) Unbroken on Outer Package Y or N
 3) Present on Sample Y or N
 4) Unbroken on Sample Y or N
 5) Received Within Holding Times Y or N
 Cooler Temp. _____ °C

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES:

Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	11-27-02	0915

**LIONVILLE LABORATORY INCORPORATED
SAMPLE RECEIPT CHECKLIST**

CLIENT: *Black Duck*
Purchase Order/Project: *02501-004-004-0200*

DATE: *11/27/02*

SAF# / SOW# / Release #: *N/A*

Laboratory SDG #: *0211L254*

NOTE: ALL ENTRIES MARKED "NO" MUST BE EXPLAINED IN THE COMMENT SECTION

- | | | | | |
|--|---|--|---|--|
| 1. Custody seals on coolers or shipping container intact, signed and dated? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 2. Outside of coolers or shipping containers are free from damage? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 3. Airbill # recorded? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 4. All expected paperwork received (coc and other client specific: historical data, alpha/beta or other screening data as applicable)? (paperwork sealed in plastic bag and taped to inside lid) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 5. Sample containers are intact? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 6. Custody seals on sample containers intact, signed and dated? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 7. All samples on coc received? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 8. All sample label information matches coc? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 9. Laboratory QC samples designated on coc? (QC stickers placed on bottles?) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 10. Shipment meets LvLI Sample Acceptance Policy? (identify all bottles not within policy. See reverse side for policy) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 11. Where applicable, bar code labels are affixed to coc? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 12. coc signed and dated? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 13. coc will be faxed or emailed to client? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |
| 14. Project Manager/Client contacted concerning discrepancies? (name/date) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> see Comment # |

Cooler # / temp (°C) and Comments:

1206 6.7°

Laboratory Sample Custodian:

[Signature]

Laboratory Project Manager: