

Quarterly Groundwater Monitoring Report

Prepared for

Black & Decker (U.S.) Inc.

Hampstead, Maryland

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

2. SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

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

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

Monthly water levels for wells included in the water level monitoring plan are presented in Table 2-2. At the time the water level measurements were collected, the extraction wells were pumping at an average combined rate of approximately 149 gallons per minute (gpm).

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of July through September 2000 are included in Appendix B

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July through September 2000, approximately 118 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) (74 %) and tetrachlorethene (PCE) (26 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July through September 2000 are included in Appendix C.

Table 2-1
Treatment System Pumping Records - 3rd Quarter 2000
Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
July 2000	6,224,610
August 2000	6,093,586
September 2000	6,405,398

Table 2-2
Groundwater Elevation Data - 3rd Quarter 2000
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	07/28/00		8/8/00		9/29/00	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	--	DRY	--	DRY	--
EW-2	849.21	110	106.00	743.21	106.00	743.21	106.00	743.21
EW-3	846.64	118	91.36	755.28	90.26	756.38	90.81	755.83
EW-4	858.01	97.5	--	--	--	--	--	--
EW-5	864.17	98	86.43	777.74	87.26	776.91	87.95	776.22
EW-6	831.98	115	57.78	774.20	57.87	774.11	58.43	773.55
EW-7	818.38	78	51.70	766.68	50.98	767.40	50.65	767.73
EW-8	811.13	98	74.51	736.62	75.02	736.11	74.89	736.24
EW-9	811.35	141	101.84	709.51	102.00	709.35	101.50	709.85
EW-10	807.74	NA	56.83	750.91	56.43	751.31	56.39	751.35
RFW-1A	864.37	78	50.43	813.94	50.85	813.52	52.61	811.76
RFW-1B	864.23	200	50.46	813.77	50.87	813.36	52.64	811.59
RFW-2A	857.41	35	13.97	843.44	15.21	842.20	15.84	841.57
RFW-2B	857.73	75	14.34	843.39	15.89	841.84	16.36	841.37
RFW-3B	839.21	153	30.84	808.37	32.58	806.63	35.03	804.18
RFW-4A	830.37	62	36.76	793.61	36.45	793.92	37.27	793.10
RFW-4B	830.37	120	36.71	793.66	36.33	794.04	37.14	793.23
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	1.63	783.41	2.71	782.33	2.13	782.91
RFW-7	805.14	29	7.11	798.03	6.84	798.30	6.89	798.25
RFW-8	860.07	56	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	26.32	835.70	26.67	835.35	27.38	834.64
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	70.22	779.10	70.12	779.20	71.56	777.76
RFW-11B	849.62	116	77.12	772.50	77.62	772.00	78.58	771.04
RFW-12B	844.87	264	54.73	790.14	54.12	790.75	56.00	788.87
RFW-13	849.11	150	60.89	788.22	59.24	789.87	63.31	785.80
RFW-14B	812.39	281	47.13	765.26	46.97	765.42	49.78	762.61
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	27.17	807.49	28.90	805.76	29.02	805.64
RFW-20	842.49	142	33.88	808.61	36.08	806.41	37.21	805.28
RFW-21	832.65	102	21.23	811.42	22.04	810.61	22.85	809.80
PH-7	805.94	89	26.51	779.43	29.43	776.51	36.27	769.67
PH-9	814.94	98	36.43	778.51	38.65	776.29	43.22	771.72
PH-11	820.68	78	39.28	781.40	40.08	780.60	37.83	782.85
PH-12	828.35	87	46.11	782.24	47.24	781.11	47.07	781.28
B-3	803.02	83	6.67	796.35	6.98	796.04	6.94	796.08
Amoco	842.29	NA	28.41	813.88	28.64	813.65	28.73	813.56
Hamp. Town #22	804.96	NA	1.24	803.72	0.73	804.23	1.26	803.70
Pembroke #1	NA	NA	11.71	--	11.43	--	11.28	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	10.12	--	10.87	--	10.74	--
E. Century St.	NA	NA	11.26	--	11.24	--	11.19	--
Lwr. Beckleys. Rd.	NA	NA	55.71	--	55.83	--	563.14	--

NA - Not Available/Not Accessible

**Table 2-3
Effluent Characteristics Summary - 3rd Quarter 2000
Black & Decker
Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE			
				July 2000	August 2000	September 2000	
001	FLOW	average	MGD	NA	0.202	0.212	0.212
		maximum	MGD	NA	0.940	0.822	0.822
	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	6.31	6.83	6.83
		maximum	STD	8.5	8.40	7.80	7.80
BOD		mg/l	15	3	2	2	
TSS	maximum	mg/l	30	11	12	12	
	quarterly average	mg/l	20	NR	NR	12	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.225	0.241	0.241
		maximum	MGD	NA	0.247	0.263	0.263
	Fecal Coliform		MPN/100ml	200	< 2	< 2	< 2
201 (Monitoring Point)	FLOW	average	MGD	NA	0.200	0.197	0.197
		maximum	MGD	NA	0.208	0.234	0.234
	1,1,1-Trichloroethane		ug/l	NA	< 5	< 5	< 5
	Tetrachloroethylene		ug/l	NA	< 5	< 5	< 5
	Trichloroethylene		ug/l	NA	< 5	< 5	< 5

DMR - Discharge Monitoring Report

NA - Not Applicable

NR - Not Reported

A summary of the analytical results from the third quarter (August 2000) groundwater sampling round of the extraction and monitor wells is included in Table 2-4. The complete analytical data package is included in Appendix D. As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentration of TCE was detected in the groundwater samples collected from wells RFW-12B and EW-2 and the highest concentration of PCE was detected in the groundwater sample collected from extraction well EW-9. Lower concentrations of 1,2-dichloroethene were also detected. The remainder of VOC's present were detected at levels well below the Federal Maximum Contaminant Levels (MCL).

Table 2-4
 Summary of Groundwater Analytical Results - August 2000
 Black & Decker
 Hampstead, Maryland

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

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

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

Table 2-4
Summary of Groundwater Analytical Results - August 2000
Black & Decker
Hampstead, Maryland

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

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

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

Table 2-4
 Summary of Groundwater Analytical Results - August 2000
 Black & Decker
 Hampstead, Maryland

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

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

3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities which were undertaken with the extraction and treatment system during the reporting period (July through September 2000) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate or other routine activities).

Table 3-1
Treatment System Maintenance Activities - 3rd Quarter 2000
Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
August 2000	EW-7 went down. EW-7 was down for one week, pump was pulled and a new pump motor was installed. Well was bleached and put back in service.
August 2000	EW-4 was not pumping, the pump was locked up and splines were worn out. Pump was down for 3 weeks, replace timer delay and clean control valve which was rusted shut and would not operate.
September 2000	Replaced relay to log valve in air stripper and also replaced printed control board.

4. RECOMMENDATIONS

For the reporting period of July through September 2000, the treatment system continued to create a hydraulic boundary preventing off-site migration of groundwater. Operation of the extraction system as currently configured will continue, adjusting pumping rates as necessary according to the amount of groundwater recharge. Operation of the treatment system as currently configured will also continue, because the treatment system is fully effective in removing VOCs from the extracted groundwater.

APPENDIX A
GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS
(JULY - SEPTEMBER 2000)

MONTH / YEAR

July 2000

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

PAST MONTH READING

489424767

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1	S			↑		
2	S			354796		
3	M	0725	489956961	↑	4077	4091
4	T			406356		
5	W	1050	490363317	176807	4077	4143
6	T	0915	490540124	184757	4077	4165
7	F	0845	490724881	↑	4077	4189
8	S			↑		
9	S			626186		
10	M	0945	491351067	197755	4077	4262
11	T	0850	491548822	211845	4101	4262
12	W	0930	491760667	197132	4125	4262
13	T	0835	491957799	219089	4148	4262
14	F	1010	492176888	↑	4174	4262
15	S			↑		
16	S			605027		
17	M	0920	492281915	204568	4245	4262
18	T	0925	492496483	198598	4245	4286
19	W	0850	493185081	222804	4245	4309
20	T	1110	493407885	189192	4245	4335
21	F	0935	493597077	↑	4245	4358
22	S			↑		
23	S			610281		
24	M	1000	494207358	201120	4245	4430
25	T	0950	494408478	185940	4268	4430
26	W	0800	494594418	214976	4290	4430
27	T	0930	494809394	206656	4315	4430
28	F	1000	495016050	↑	4340	4430
29	S			↑		
30	S			609389		
31	M	1020	495625439	201336	4412	4430
Total				6224610		
Average				200794		

NEXT MONTH READING 495826775

DATE 8-1-00

MONTH / YEAR

Aug. 2000

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

PAST MONTH READING

495625439

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1	T	1010	495826775	202384	4412	4454
2	W	1105	496029164	187885	4412	4479
3	T	1055	496217049	194814	4412	4502
4	F	1140	496411863	↑	4412	4527
5						
6				550854		
7	M	1010	496962717	180562	4412	4597
8	T	0915	497143279	234408	4435	4597
9	W	1010	497377687	140905	4480	4597
10	T	0925	497518592	201072	4483	4597
11	F	1110	497719664	↑	4509	4597
12						
13				552925		
14	M	1015	498272589	211577	4580	4597
15	T	1015	498484166	223291	4580	4621
16	W	1105	498707457	201076	4580	4646
17	T	0930	498908533	233433	4580	4669
18	F	1130	499141966	↑	4580	4695
19						
20				618589		
21	M	0850	499760555	214312	4580	4764
22	T	0855	499974867	23349	4604	4764
23	W	1105	500208350	212957	4630	4764
24	T	1105	500421307	214381	4654	4764
25	F	1110	500635688	↑	4679	4764
26						
27				639002		
28	M	1100	501274690	216834	4750	4764
29	T	1115	501491520	194727	4750	4788
30	W	0920	501686247	228045	4750	4810
31	T	1050	501914292	216198	4750	4836
Total				6,093,586		
Average				196567		

NEXT MONTH READING 502132490

DATE Sept. 1, 2000

MONTH / YEAR

Sept. 2000

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

PAST MONTH READING

501914292

Date	Day	Time	Integ. Reading	GPD	Pump # 11	Pump # 12
1	F	1105	502132490	↑	4750	4860
2						
3						
4	M			855 878		
5	T	1045	502988368	208 386	4750	4955
6	W	1000	503196754	220 295	4774	4955
7	T	1046	503417049	219 661	4799	4955
8	F	1100	503636710	↑	4823	4955
9						
10				626 444		
11	M	0945	504263154	208 005	4893	4955
12	T	0910	504471159	228 107	4894	4979
13	W	1040	504699266	215 168	4894	5004
14	T	1045	504914434	219 857	4894	5028
15	F	1120	505134291	↑	4894	5053
16						
17				628 616		
18	M	0940	505762907	222 754	4894	5123
19	T	1035	505985661	217 030	4919	5123
20	W	1100	506202691	↑	4943	5123
21	T			433 251		
22	F	1135	506635942	↑	4992	5123
23						
24				623 026		
25	M	0945	507258968	208 100	5062	5123
26	T	0915	507467068	228 488	5062	5147
27	W	1055	5076A5554	212 278	5062	5173
28	T	1055	507907834	↑	5062	5994
29	F					
30				630 054		
-31-						
Total				6405398		
Average				213513		

NEXT MONTH READING 508747905

DATE Oct. 2, 2000

APPENDIX B
DISCHARGE MONITORING REPORTS
(JULY - SEPTEMBER 2000)

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

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

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

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

MD0001881
 PERMIT NUMBER

001
 DISCHARGE NUMBER

(2-10) (17-19)

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2000	07	01	00	07	31

FROM

TO

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (48-53)			(4 Card Only)				NO EX (63-65)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (67-70)
		QUANTITY OR LOADING			QUALITY OR CONCENTRATION						
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.202	0.940	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	2/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.31		8.40		0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.00	STD		2/WEEK	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY DIGNITY 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 75 U.S.C. § 1210. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE	
Henry C Suominen, Jr. AG/GFI Manger								410-374-9025		00 08 07	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE-NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

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

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

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

FACILITY: **Hampstead, Maryland, 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881
 PERMIT NUMBER

001
 DISCHARGE NUMBER

(2-19)

(17-19)

MONITORING PERIOD

FROM YEAR **2000** MO **07** DAY **01** TO YEAR **00** MO **07** DAY **31**

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (68-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT							3		0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15	mg/l		1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT							11		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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 19 U.S.C. § 1001 AND 23 U.S.C. § 1315. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Earl Weddle
 SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE **410-374-8025**
 DATE **00 | 08 | 07**
 AREA CODE-NUMBER YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

NAME: **AG/GFI Hampstead, Inc.**

ADDRESS: **133 Pearl Street**

Suite 400

Boston, MA 02110

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED

OMB No. 2040-0004

MD0001881
PERMIT NUMBER

101
DISCHARGE NUMBER

(2-18) (17-18)

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY
2000 07 01 00 07 31

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.225	0.247	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								Cont Measure/Record
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 19 U.S.C. § 1061 AND 19 U.S.C. § 1515. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Earl Wedder
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **410-374-9025**
 DATE **00 | 08 | 07**
 AREA CODE-NUMBER YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

NAME: **AG/GFI Hampstead, Inc.**

ADDRESS: **133 Pearl Street**

Suite 400

Boston, MA 02110

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED

OMB No. 2040-0004

M00001881
PERMIT NUMBER

(2-19)

201
DISCHARGE NUMBER

(17-19)

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2000	07	01		00	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (48-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.200	0.208	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON, AND BASED ON MY 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 SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 16 U.S.C. § 1061 AND 33 U.S.C. § 1315. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Earl Weddle
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
410-374-9025
AREA CODE-NUMBER

DATE
00 | 08 | 07
YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001851	001
PERMIT NUMBER	DISCHARGE NUMBER
(2-18)	(17-18)

FORM APPROVED
OMB No. 2040-0004

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2000	08	01	00	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(29-29)	(30-31)

FROM TO NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.212	0.822	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	2/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.83		7.80	STD	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.50		8.50			2/WEEK	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Henry C Suominen, Jr. AG/GFI Manger TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON, AND BASED ON MY DUE DILIGENCE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 19 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include: Fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	<i>Earl Waddle</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			410-374-9025	00 09 05

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

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

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

FACILITY: **Hampstead, Maryland, 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881	001
PERMIT NUMBER	DISCHARGE NUMBER
(2-18)	(17-19)

FORM APPROVED
 OMB No. 2040-0004

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2000	08	01	00	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (48-53)			(4 Card Only)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT							2	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15				1/MONTH
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT							12	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30					1/MONTH
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 23 U.S.C. § 1319. (Penalties under these statutes may include: Fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE	DATE
Henry C Suominen, Jr. AG/GFI Manger		<i>Earl Weddle</i>	410-374-9025
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE-NUMBER	YEAR MO DAY

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

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

NAME: **AG/GFI Hampstead, Inc.**
 ADDRESS: **133 Pearl Street**
Suite 400
Boston, MA 02110
 FACILITY: **Hampstead, Maryland 21074**
 LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No. 2040-0004

MD0001881	101
PERMIT NUMBER	DISCHARGE NUMBER
(2-10)	(17-18)

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2000	08	01		00	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.241	0.263	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/ 100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY DUTY AS 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. 33 USC 1315 AND 33 USC 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Earl Weddle
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
410-374-9025
 AREA CODE-NUMBER

DATE
00 | 09 | 05
 YEAR | MO | DAY

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

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

NAME: **AG/GFI Hampstead, Inc.**

ADDRESS: **133 Pearl Street**

**Suite 400
Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881

PERMIT NUMBER

(2-18)

201

DISCHARGE NUMBER

(17-19)

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2000	08	01		00	08	31
	(20-21)	(22-23)	(24-25)		(28-27)	(29-29)	(30-31)

FORM APPROVED

OMB No.2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.197	0.234	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include: Fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	<i>Earl Weddler</i>	TELEPHONE	DATE
Henry C Suominen, Jr. AG/GFI Manger			410-374-9025	00 09 05
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE-NUMBER	YEAR MO DAY	

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

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

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

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881 **001**
 PERMIT NUMBER DISCHARGE NUMBER

(2-16)

(17-19)

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2000	09	01		00	09	30

FORM APPROVED
 OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53)			(4 Card Only)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.212	0.822	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5			1/MONTH GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	2/MONTH GRAB	
	PERMIT REQUIREMENT						<0.1			1/MONTH GRAB	
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						10			1/MONTH GRAB	
pH	SAMPLE MEASUREMENT				6.83		7.80		0	2/WEEK GRAB	
	PERMIT REQUIREMENT				6.00		8.50	STD		2/WEEK GRAB	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE	
Henry C Suominen, Jr. AG/GFI Manger		<i>Earl Wedde</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						410-374-9025		00 10 02 -00 09 05	
TYPED OR PRINTED								AREA CODE-NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

NAME: **AG/GFI Hampstead, Inc.**

ADDRESS: **133 Pearl Street**

**Suite 400
Boston, MA 02110**

FACILITY: **Hampstead, Maryland, 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881
PERMIT NUMBER

001
DISCHARGE NUMBER

(2-16)

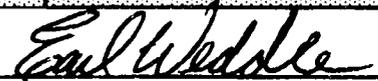
(17-19)

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2000	09	01		00	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

FORM APPROVED
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53)			(4 Card Only)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				QUALITY OR CONCENTRATION			
BOD	SAMPLE MEASUREMENT							2		0	1/MONTH	GRAB			
	PERMIT REQUIREMENT							15	mg/l		1/MONTH	GRAB			
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					12		12		0	1/MONTH	GRAB			
	PERMIT REQUIREMENT					20		30	mg/l		1/MONTH	GRAB			
	SAMPLE MEASUREMENT														
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	PERMIT REQUIREMENT														
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 16 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE	DATE						
Henry C Suominen, Jr. AG/GFI Manger														410-374-9025	00 09 05
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE-NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

NAME: **AG/GFI Hampstead, Inc.**

ADDRESS: **133 Pearl Street**

Suite 400

Boston, MA 02110

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881
PERMIT NUMBER

101
DISCHARGE NUMBER

(2-16)

(17-18)

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
2000	09	01	00	09	30

FORM APPROVED
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.241	0.263	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/ 100ml	0	1/WEEK GRAB	
	PERMIT REQUIREMENT						200			1/WEEK GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

Earl Weddle
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: **410-374-8025**
DATE: **00 | 10 | 02**
AREA CODE-NUMBER: **410-374-8025**
YEAR | MO | DAY

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

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

NAME: **AG/GFI Hampstead, Inc.**

ADDRESS: **133 Pearl Street**

**Suite 400
Boston, MA 02110**

FACILITY: **Hampstead, Maryland 21074**

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

M00001881

PERMIT NUMBER

(2-16)

201

DISCHARGE NUMBER

(17-18)

FORM APPROVED

OMB No.2040-0004

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2000	09	01		00	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (48-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (68-69)	FREQUENCY OF ANALYSIS (64-67)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.197	0.234	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

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

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED 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 33 U.S.C. § 1363 AND 33 C.F.R. § 125. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Earl Wedde
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-374-8025

AREA CODE-NUMBER

DATE

00 | 10 | 02

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS
(JULY - SEPTEMBER 2000)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Page 4 of 12

Report no: 0003865

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER 2(PRE), on 12-Jul-2000(08:13)

Laboratory Sample Number: 000013328

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	16-Jul-00(09:23)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	16-Jul-00(09:23)
Benzene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:23)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:23)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:23)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:23)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Tetrachloroethene	140 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Toluene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:23)
Trichloroethene	550 ppb	25 ppb	EPA-624	THP	16-Jul-00(08:51)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:23)
Dibromofluoromethane(surrogate)	110 % Rec	NA	EPA-624	THP	16-Jul-00(09:23)

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REPORT OF ANALYSIS

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Report no: 0003865

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER 2(PRE), on 12-Jul-2000(08:13)
Laboratory Sample Number: 000013328

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	100 % Rec	NA	EPA-624	THP	16-Jul-00(09:23)
Toluene-d8(surrogate)	86 % Rec	NA	EPA-624	THP	16-Jul-00(09:23)
Bromofluorobenzene(surrogate)	98 % Rec	NA	EPA-624	THP	16-Jul-00(09:23)



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REPORT OF ANALYSIS

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Report no: 0003865

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201 (POST), on 12-Jul-2000(08:14)
Laboratory Sample Number: 000013329

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	16-Jul-00(09:56)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	16-Jul-00(09:56)
Benzene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:56)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:56)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:56)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:56)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Toluene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	16-Jul-00(09:56)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	16-Jul-00(09:56)
Dibromodifluoromethane(surrogate)	108 % Rec	NA	EPA-624	THP	16-Jul-00(09:56)

U.S. Patent on method number

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Report no: 0003865

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201 (POST), on 12-Jul-2000(08:14)
Laboratory Sample Number: 000013329

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	100 % Rec	NA	EPA-624	THP	16-Jul-00(09:56)
Toluene-d8(surrogate)	86 % Rec	NA	EPA-624	THP	16-Jul-00(09:56)
Bromofluorobenzene(surrogate)	102 % Rec	NA	EPA-624	THP	16-Jul-00(09:56)



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REPORT OF ANALYSIS

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Report no: 0004352

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER 2(Pre), on 02-Aug-2000(08:25)
Laboratory Sample Number: 000015365

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	04-Aug-00(08:17)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	04-Aug-00(08:17)
Benzene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:17)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:17)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:17)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:17)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Tetrachloroethene	140 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Toluene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:17)
Trichloroethene	320 ppb	25 ppb	EPA-624	THP	04-Aug-00(07:44)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:17)
Dibromofluoromethane(surrogate)	103 % Rec	NA	EPA-624	THP	04-Aug-00(08:17)

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Report no: 0004352

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER 2(Pre), on 02-Aug-2000(08:25)
Laboratory Sample Number: 000015365

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	101 % Rec	NA	EPA-624	THP	04-Aug-00(08:17)
Toluene-d8(surrogate)	96 % Rec	NA	EPA-624	THP	04-Aug-00(08:17)
Bromofluorobenzene(surrogate)	97 % Rec	NA	EPA-624	THP	04-Aug-00(08:17)

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Report no: 0004352

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201(Post), on 02-Aug-2000(08:27)
Laboratory Sample Number: 000015366

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	04-Aug-00(08:50)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	04-Aug-00(08:50)
Benzene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:50)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:50)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:50)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:50)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Toluene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	04-Aug-00(08:50)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	04-Aug-00(08:50)
Dibromofluoromethane(surrogate)	101 % Rec	NA	EPA-624	THP	04-Aug-00(08:50)

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Report no: 0004352

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201(Post), on 02-Aug-2000(08:27)
Laboratory Sample Number: 000015366

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	106 % Rec	NA	EPA-624	THP	04-Aug-00(08:50)
Toluene-d8(surrogate)	96 % Rec	NA	EPA-624	THP	04-Aug-00(08:50)
Bromofluorobenzene(surrogate)	95 % Rec	NA	EPA-624	THP	04-Aug-00(08:50)

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Report no: 0005152

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER 2(Pre), on 13-Sep-2000(08:35)
Laboratory Sample Number: 000018453

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	17-Sep-00(05:39)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	17-Sep-00(05:39)
Benzene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(05:39)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(05:39)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(05:39)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(05:39)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Tetrachloroethene	290 ppb	50 ppb	EPA-624	THP	17-Sep-00(05:07)
Toluene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(05:39)
Trichloroethene	810 ppb	50 ppb	EPA-624	THP	17-Sep-00(05:07)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(05:39)
Dibromofluoromethane(surrogate)	117 % Rec	NA	EPA-624	THP	17-Sep-00(05:39)



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Report no: 0005152

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER 2(Pre), on 13-Sep-2000(08:35)
Laboratory Sample Number: 000018453

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	118 % Rec	NA	EPA-624	THP	17-Sep-00(05:39)
Toluene-d8(surrogate)	102 % Rec	NA	EPA-624	THP	17-Sep-00(05:39)
Bromofluorobenzene(surrogate)	101 % Rec	NA	EPA-624	THP	17-Sep-00(05:39)

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Report no: 0005152

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201 (Post), on 13-Sep-2000(08:37)
Laboratory Sample Number: 000018454

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	17-Sep-00(06:11)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	17-Sep-00(06:11)
Benzene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(06:11)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(06:11)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(06:11)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(06:11)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Toluene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	17-Sep-00(06:11)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	17-Sep-00(06:11)
Dibromofluoromethane(surrogate)	117 % Rec	NA	EPA-624	THP	17-Sep-00(06:11)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224



REPORT OF ANALYSIS

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 7 of 12

Report no: 0005152

Client: AG/GFI Hampstead, Inc.

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201 (Post), on 13-Sep-2000(08:37)
Laboratory Sample Number: 000018454

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	115 % Rec	NA	EPA-624	THP	17-Sep-00(06:11)
Toluene-d8(surrogate)	100 % Rec	NA	EPA-624	THP	17-Sep-00(06:11)
Bromofluorobenzene(surrogate)	102 % Rec	NA	EPA-624	THP	17-Sep-00(06:11)

APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(AUGUST 2000)



Chemical and Environmental Measurement Information

Recra LabNet Philadelphia

Analytical Report

Client: BLACK & DECKER

RFW #: 0008L147

W.O. #: 02501-004-002-0200-00

Date Received: 08-09-2000

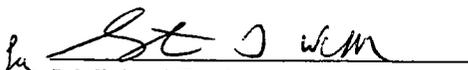
GC/MS VOLATILE

Thirty-four (34) water samples were collected on 08-03,07,08-2000.

The samples and their associated QC samples were analyzed according to criteria set forth in SW 846 Method 8260B for TCL Volatile target compounds on 08-15,16,17-2000.

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

1. The cooler temperature (11.6°C) upon receipt has been recorded on the chain-of-custody.
2. The required holding time for analysis was met.
3. Non-target compounds were detected in the samples.
4. Several samples required 5 to 20-fold dilution due to high levels of target compounds.
5. Three (3) of one hundred forty-one (141) surrogate recoveries were outside EPA QC limits. The initial analysis fulfills the reanalysis requirement for sample RFW-12B DL. Sample RFW-9 was reanalyzed on 08-17-2000 and reported.
6. All matrix spike recoveries were within EPA QC limits.
7. All blank spike recoveries were within EPA QC limits.
8. The method blanks contained the common laboratory contaminants Methylene Chloride and Acetone at levels less than 4x the CRQL. The method blank 00LVX197-MB1 also contained the target compound Bromomethane at a level less than the CRQL.
9. Internal standard area criteria were not met for sample RFW-13; however, sample was inadvertently not reanalyzed. There was no significant impact on the data because the surrogate recoveries were within criteria. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
10. The sample 'FIELD BLANK' was received in a 500mL glass container and the pH was 7. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
11. The water analyses were performed with the method enhancement of a 40°C heated purge to standardize the purge temperature and improve overall purging efficiency.


J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

10-19-00
Date

som\group\data\bna\black&decker-08-147.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 67 pages, including pages 1A and 1B.

RECRA

Sample Discrepancy Report (SDR)

SDR #: 00VT207

Initiator: S. Wesson Batch: 0008L147 Parameter: 0624H
Date: 10-06-00 Samples: 009 Matrix: water
Client: Black & Decker Method: SWB46/MCAWW/CLP Prep Batch: 00LVX196

1. Reason for SDR

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

b. General Discrepancy

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

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

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

All internally out lab.

2. Known or Probable Causes(s) (To be used for trend analysis)

- Lack of Organization Other (Please explain):
Lack of Training
Lack of Discipline
Lack of Resources
Lack of Time
Lack of Management Support

3. Discussion and Proposed Action

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

Other Description:

Report + narrative, all samples are ok
Sample should have been re-run but was
missed during initial review

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

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

Signature and date: 10/6/00

5. Final Action...signature/date:

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

Other Explanation:

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

Route/Distribution of SDR

- Initiator
Lab Manager: M. Taylor
Project Mgr: Stone/Carey/Johnson
Section Mgr: Wesson/Daniels
QA (file): Schrenkel
Data Management: Feldman
Sample Prep: Bickel/Kauffman

Route Distribution of Completed SDR

- Metals: Doughty
Inorganic: Perrone
GC/LC: Pastor
MS: Layman/Rycklak
Log-in: Keppel
Admin: Soos
Other:

1A

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

COVT 152

Initiator: NSchneider Batch: 6080-147 Parameter: 0624
 Date: 8/1/00 Samples: 034 (FB) Matrix: water
 Client: B&B Decker Method: SW846/MCAWW/CLP/ 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. QC Problem (Include all relevant specific results; attach data if necessary)

Sample 034 (FB) was rec'd in a 500 ^{ml} glass container. pH ^{is} 7

2. Known or Probable Causes(s)

3. Discussion and Proposed Action

Other Description:

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

Note in narrative

4. Project Manager Instructions...signature/date: *[Signature]*

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

5. Final Action...signature/date: *[Signature]*

Other Explanation:

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

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

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
<input type="checkbox"/>	<input checked="" type="checkbox"/> Initiator <u>NS</u>	<input type="checkbox"/>	<input type="checkbox"/> Metals: Doughty
<input type="checkbox"/>	<input checked="" type="checkbox"/> Lab Manager: M. Taylor	<input type="checkbox"/>	<input type="checkbox"/> Inorganic: Perrone
<input type="checkbox"/>	<input checked="" type="checkbox"/> Project Mgr: Stone/Carey/Johnson	<input type="checkbox"/>	<input type="checkbox"/> GC/LC: Pastor
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Section Mgr: <u>Wesson/Daniels</u>	<input type="checkbox"/>	<input type="checkbox"/> MS: Durke/Rycklak
<input type="checkbox"/>	<input checked="" type="checkbox"/> QA (file): Racioppi	<input type="checkbox"/>	<input type="checkbox"/> Log-in: Keppel
<input type="checkbox"/>	<input type="checkbox"/> Data Management: Feldman	<input type="checkbox"/>	<input type="checkbox"/> Admin: Soos
<input type="checkbox"/>	<input type="checkbox"/> Sample Prep: Doughty/Kauffman	<input type="checkbox"/>	<input type="checkbox"/> 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.



Cust ID:	RFW-17	RFW-7	RFW-13	EW-6	EW-8	EW-9
RFW#:	007	008	009	010	011	012
Toluene	5 U	5 U	5 U	5 U	5 U	25 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	25 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	25 U
Styrene	5 U	5 U	5 U	5 U	5 U	25 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	25 U

*= Outside of EPA CLP QC limits.

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/10/00 15:02

RFW Batch Number: 0008L147

Client: BLACK & DECKER

Work Order: 02501004002 Page: 3a

Cust ID:	EW-9 DUP	EW-10	EW-5	EW-4	EW-3	EW-2
Sample RFW#:	013	014	015	016	017	018
Information Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
D.F.:	5.00	1.00	10.0	10.0	5.00	20.0
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Toluene-d8	96 %	96 %	100 %	104 %	94 %	97 %
Surrogate Bromofluorobenzene	103 %	102 %	106 %	114 %	97 %	102 %
Recovery 1,2-Dichloroethane-d4	96 %	99 %	97 %	106 %	95 %	96 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====						
Chloromethane	50 U	10 U	100 U	100 U	50 U	200 U
Bromomethane	50 U	10 U	100 U	100 U	50 U	200 U
Vinyl Chloride	50 U	10 U	100 U	100 U	50 U	200 U
Chloroethane	50 U	10 U	100 U	100 U	50 U	200 U
Methylene Chloride	39 B	6 B	79 B	140 B	42 B	290 B
Acetone	50 U	10 U	100 U	100 U	50 U	200 U
Carbon Disulfide	25 U	5 U	50 U	50 U	25 U	100 U
1,1-Dichloroethene	25 U	5 U	50 U	50 U	25 U	100 U
1,1-Dichloroethane	25 U	5 U	50 U	50 U	25 U	100 U
1,2-Dichloroethene (total)	6 J	5 U	50 U	50 U	25 U	100 U
Chloroform	25 U	5 U	50 U	50 U	25 U	100 U
1,2-Dichloroethane	25 U	5 U	50 U	50 U	25 U	100 U
2-Butanone	50 U	10 U	100 U	100 U	50 U	200 U
1,1,1-Trichloroethane	25 U	5 U	11 J	50 U	25 U	100 U
Carbon Tetrachloride	25 U	5 U	50 U	50 U	25 U	100 U
Vinyl Acetate	50 U	10 U	100 U	100 U	50 U	200 U
Bromodichloromethane	25 U	5 U	50 U	50 U	25 U	100 U
1,2-Dichloropropane	25 U	5 U	50 U	50 U	25 U	100 U
cis-1,3-Dichloropropene	25 U	5 U	50 U	50 U	25 U	100 U
Trichloroethene	10 J	5 U	780	950	530	1800
Dibromochloromethane	25 U	5 U	50 U	50 U	25 U	100 U
1,1,2-Trichloroethane	25 U	5 U	50 U	50 U	25 U	100 U
Benzene	25 U	5 U	50 U	50 U	25 U	100 U
Trans-1,3-Dichloropropene	25 U	5 U	50 U	50 U	25 U	100 U
Bromoform	25 U	5 U	50 U	50 U	25 U	100 U
4-Methyl-2-pentanone	50 U	10 U	100 U	100 U	50 U	200 U
2-Hexanone	50 U	10 U	100 U	100 U	50 U	200 U
Tetrachloroethene	560	20	39 J	47 J	18 J	130
1,1,2,2-Tetrachloroethane	25 U	5 U	50 U	50 U	25 U	100 U

*= Outside of EPA CLP QC limits.

aj
10/10/00

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.

mmz\10-94\gloss.voa



Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/10/00 15:02⁴

RFW Batch Number: 0008L147

Client: BLACK & DECKER

Work Order: 02501004002 Page: 1a

Sample Information	Cust ID: TRIP BLANK	RFW-2A	RFW-2B	RFW-1A	RFW-21	RFW-20
	RFW#: 001	002	003	004	005	006
	Matrix: WATER	WATER	WATER	WATER	WATER	WATER
	D.F.: 1.00	1.00	1.00	1.00	1.00	1.00
	Units: UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
<i>Synthetic</i>						
Toluene-d8	99 %					
Toluene-d8	99 %	100 %	98 %	99 %	97 %	100 %
Surrogate Bromofluorobenzene	94 %	106 %	104 %	100 %	101 %	104 %
Recovery 1,2-Dichloroethane-d4	83 %	92 %	94 %	94 %	93 %	94 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====						
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	3 JB	6 B	11 B	10 B	10 B	6 B
Acetone	10 U	10 U	13 B	10 U	10 U	10 U
Carbon Disulfide	1 J	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	5 U	5 U
1,2-Dichloroethane	5 U	5 U	1 J	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	1 J	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	6	2 J	5 U	5 U	6
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

*aw
p.w.*

	Cust ID: EW-9 DUP	EW-10	EW-5	EW-4	EW-3	EW-2
RFW#:	013	014	015	016	017	018
Toluene	25 U	5 U	50 U	50 U	25 U	100 U
Chlorobenzene	25 U	5 U	50 U	50 U	25 U	100 U
Ethylbenzene	25 U	5 U	50 U	50 U	25 U	100 U
Styrene	25 U	5 U	50 U	50 U	25 U	100 U
Xylene (total)	25 U	5 U	50 U	50 U	25 U	100 U

*= Outside of EPA CLP QC limits.

Cust ID: TRIP BLANK

RFW-2A

RFW-2B

RFW-1A

RFW-21

RFW-20

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.

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/10/00 15:02

RFW Batch Number: 0008L147

Client: BLACK & DECKER

Work Order: 02501004002 Page: 2a

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Sample Information	Cust ID:	RFW-17	RFW-7	RFW-13	EW-6	EW-8	EW-9
	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	5.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate	Toluene-d8	99 %	98 %	98 %	103 %	110 %	92 %
Recovery	Bromofluorobenzene	102 %	100 %	107 %	107 %	111 %	91 %
	1,2-Dichloroethane-d4	91 %	92 %	99 %	94 %	105 %	87 %
		-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----
Chloromethane		10 U	10 U	10 U	10 U	10 U	50 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	50 U
Vinyl Chloride		10 U	10 U	10 U	10 U	10 U	50 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	50 U
Methylene Chloride		6 B	9 B	5 B	5 B	5 B	34 B
Acetone		10 U	10 U	10 U	10 U	10 U	50 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	25 U
1,1-Dichloroethene		5 U	5 U	5 U	5 U	5 U	25 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	2 J	25 U
1,2-Dichloroethene (total)		5 U	1 J	5 U	1 J	34	7 J
Chloroform		5 U	5 U	5 U	5 U	5 U	25 U
1,2-Dichloroethane		1 J	5 U	5 U	5 U	5 U	25 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	50 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	1 J	25 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	25 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	50 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	25 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	25 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	25 U
Trichloroethene		5 U	22	20	23	23	11 J
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	25 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	25 U
Benzene		5 U	5 U	5 U	5 U	1 J	25 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	25 U
Bromoform		5 U	5 U	5 U	5 U	5 U	25 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	50 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	50 U
Tetrachloroethene		5 U	1 J	83	65	170	590
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	25 U

*= Outside of EPA CLP QC limits.

AW 10-10-00

Cust ID: LEISTER-DAIR LEISTER-1 LEISTER-2 RFW-4A RFW-4A DUP RFW-4A DUP

11

	Y							
RFW#:	019	020	021	022	023	023 MS		
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	101	%
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	103	%
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-4A DUP

RFW-4B

RFW-6

RFW-3B

RFW-9

RFW-9

	RFW#:	023 MSD	024	025	026	027	027
							REPREP
Toluene		102 %	5 U	5 U	5 U	5 U	5 U
Chlorobenzene		103 %	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-9 RFW-9 HANP-22 HANP-23 RFW-11A RFW-11B

RFW#: 027 MS 027 MSD 028 029 030 031

	027 MS	027 MSD	028	029	030	031
Toluene	97 %	107 %	5 U	5 U	5 U	5 U
Chlorobenzene	101 %	108 %	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 C/P QC limits.

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Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 10/10/00 15:02

RFW Batch Number: 0008L147

Client: BLACK & DECKER

Work Order: 02501004002 Page: 7a

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Sample Information	Cust ID:	RFW-1B	RFW-12B	RFW-12B	FIELD BLANK	VBLKRZ	VBLKRY
	RFW#:	032	033	033 DL	034	00LVX195-MB1	00LVX196-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	10.0	20.0	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate	Toluene-d8	102 %	100 %	104 %	106 %	100 %	98 %
Recovery	Bromofluorobenzene	109 %	104 %	116 * %	114 %	105 %	104 %
	1,2-Dichloroethane-d4	104 %	104 %	106 %	108 %	92 %	92 %
		-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----	-----fl-----
	Chloromethane	10 U	100 U	NA	10 U	10 U	10 U
	Bromomethane	10 U	100 U	NA	10 U	10 U	10 U
	Vinyl Chloride	10 U	100 U	NA	10 U	10 U	10 U
	Chloroethane	10 U	100 U	NA	10 U	10 U	10 U
	Methylene Chloride	11 B	70 B	240 B	12 B	15	10
	Acetone	10 B	100 U	180 JB	10 JB	8 J	9 J
	Carbon Disulfide	5 U	50 U	NA	5 U	5 U	5 U
	1,1-Dichloroethene	5 U	50 U	NA	5 U	5 U	5 U
	1,1-Dichloroethane	5 U	50 U	NA	5 U	5 U	5 U
	1,2-Dichloroethene (total)	5 U	50 U	NA	5 U	5 U	5 U
	Chloroform	5 U	50 U	NA	5 U	5 U	5 U
	1,2-Dichloroethane	5 U	50 U	NA	5 U	5 U	5 U
	2-Butanone	10 U	100 U	NA	10 U	10 U	10 U
	1,1,1-Trichloroethane	5 U	50 U	NA	5 U	5 U	5 U
	Carbon Tetrachloride	5 U	50 U	NA	5 U	5 U	5 U
	Vinyl Acetate	10 U	100 U	NA	10 U	10 U	10 U
	Bromodichloromethane	5 U	50 U	NA	5 U	5 U	5 U
	1,2-Dichloropropane	5 U	50 U	NA	5 U	5 U	5 U
	cis-1,3-Dichloropropene	5 U	50 U	NA	5 U	5 U	5 U
	Trichloroethene	5 U	E	2200	5 U	5 U	5 U
	Dibromochloromethane	5 U	50 U	NA	5 U	5 U	5 U
	1,1,2-Trichloroethane	5 U	50 U	NA	5 U	5 U	5 U
	Benzene	5 U	50 U	NA	5 U	5 U	5 U
	Trans-1,3-Dichloropropene	5 U	50 U	NA	5 U	5 U	5 U
	Bromoform	5 U	50 U	NA	5 U	5 U	5 U
	4-Methyl-2-pentanone	10 U	100 U	NA	10 U	10 U	10 U
	2-Hexanone	10 U	100 U	NA	10 U	10 U	10 U
	Tetrachloroethene	1 J	100	95 J	5 U	5 U	5 U
	1,1,2,2-Tetrachloroethane	5 U	50 U	NA	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

Handwritten note: 10-10-00

Cust ID:	RFW-1B	RFW-12B	RFW-12B	FIELD BLANK	VBLKRZ	VBLKRY
RFW#:	032	033	033 DL	034	00LVX195-MB1	00LVX196-MB1
Toluene	5 U	50 U	NA	5 U	5 U	5 U
Chlorobenzene	5 U	50 U	NA	5 U	5 U	5 U
Ethylbenzene	5 U	50 U	NA	5 U	5 U	5 U
Styrene	5 U	50 U	NA	5 U	5 U	5 U
Xylene (total)	5 U	50 U	NA	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 0008L147

Client: BLACK & DECKER

Work Order: 02501004002 Page: 8b

Cust ID: VBLKRY BS

VBLKSI

VBLKSI BS

VBLKSJ

VBLKSJ BS

RFW#: 00LVX196-MB1

00LVX197-MB1

00LVX197-MB1

00LVX200-MB1

00LVX200-MB1

	96 %	5 U	96 %	5 U	101 %
Toluene	96 %	5 U	96 %	5 U	101 %
Chlorobenzene	99 %	5 U	97 %	5 U	99 %
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.

10

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081518

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/15/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-2A

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081519

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/15/00

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

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-2B

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081520

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/15/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-1A

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081521

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/15/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-21

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081522

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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-20

Lab Name: Recra_LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-006

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081606

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-17

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-007

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081607

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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-	12.460	20	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-7

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-008

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081608

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.145	5	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-13

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-009

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081609

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-6

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-010

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081612

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-8

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-011

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081613

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-9

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-012

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081614

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-9 DUP

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081615

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-10

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-014

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081616

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-5

Lab Name: Recra.LabNet

Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER

Lab Sample ID: 0008L147-015

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

Lab File ID: x081617

Level: (low/med) LOW

Date Received: 08/09/00

% Moisture: not dec.

Date Analyzed: 08/16/00

Column: (pack/cap) CAP

Dilution Factor: 10.0

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-4

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-016

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081638

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/17/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-3

Lab Name: Recra.LabNet

Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER

Lab Sample ID: 0008L147-017

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

Lab File ID: x081618

Level: (low/med) LOW

Date Received: 08/09/00

% Moisture: not dec. _____

Date Analyzed: 08/16/00

Column: (pack/cap) CAP

Dilution Factor: 5.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EW-2

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-018

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081627

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

LEISTER-DAIRY

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-019

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081619

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

LEISTER-1

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-020

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081628

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

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

1E
 VOLATILE ORGANICS ANALYSIS SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

LEISTER-2

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-021

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081629

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

Number TICs found: 4 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.237	6	J
2.	UNKNOWN	12.158	6	J
3. 1634044	PROPANE, 2-METHOXY-2-METHYL-	12.473	200	NJ
4. 994058	BUTANE, 2-METHOXY-2-METHYL-	16.057	20	NJ

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-4A

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-022

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081610

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.169	6	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-4A DUP

Lab Name: Recre.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-023

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081630

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.165	7	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-4B

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-024

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081611

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.166	9	J

1L
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-6

Lab Name: Recra.LabNet

Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER

Lab Sample ID: 0008L147-025

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

Lab File ID: x081633

Level: (low/med) LOW

Date Received: 08/09/00

% Moisture: not dec. _____

Date Analyzed: 08/16/00

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-3B

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-026

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081634

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-9

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-027

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081636

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.067	6.	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-9RE

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-027

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081709

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/17/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.076	8	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

HANP-22

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-028

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081637

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/17/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.047	7	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

HANP-23

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-029

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081639

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/17/00

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-11A

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-030

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081705

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. _____ Date Analyzed: 08/17/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-11B

Lab Name: Recra.LabNet

Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER

Lab Sample ID: 0008L147-031

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

Lab File ID: x081706

Level: (low/med) LOW

Date Received: 08/09/00

% Moisture: not dec. _____

Date Analyzed: 08/17/00

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-1B

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-032

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081707

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/17/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.072	6	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-12B

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-033

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081635

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/16/00

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

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

RFW-12BDL

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER

Lab Sample ID: 0008L147-033 DL

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

Lab File ID: x081710

Level: (low/med) LOW

Date Received: 08/09/00

% Moisture: not dec.

Date Analyzed: 08/17/00

Column: (pack/cap) CAP

Dilution Factor: 20.0

Number TICs found: 0

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

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

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FIELD BLANK

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 0008L147-034

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081708

Level: (low/med) LOW Date Received: 08/09/00

% Moisture: not dec. Date Analyzed: 08/17/00

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.

VBLKRZ

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 00LVX195-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081517

Level: (low/med) LOW Date Received: 08/15/00

% Moisture: not dec. Date Analyzed: 08/15/00

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.

VBLKRY

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 00LVX196-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081603

Level: (low/med) LOW Date Received: 08/16/00

% Moisture: not dec. Date Analyzed: 08/16/00

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.

VBLKSI

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 00LVX197-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081624

Level: (low/med) LOW Date Received: 08/16/00

% Moisture: not dec. _____ Date Analyzed: 08/16/00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.695	10	J

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKSJ

Lab Name: Recra.LabNet Work Order: 02501004002

Client: BLACK & DECKER

Matrix: WATER Lab Sample ID: 00LVX200-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x081703

Level: (low/med) LOW Date Received: 08/17/00

% Moisture: not dec. _____ Date Analyzed: 08/17/00

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

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

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

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

RFW LOT # :0008L147

CLIENT ID	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TRIP BLANK	001	W	00LVX195	08/03/00	08/09/00	N/A	08/15/00
RFW-2A	002	W	00LVX195	08/07/00	08/09/00	N/A	08/15/00
RFW-2B	003	W	00LVX195	08/07/00	08/09/00	N/A	08/15/00
RFW-1A	004	W	00LVX195	08/07/00	08/09/00	N/A	08/15/00
RFW-21	005	W	00LVX195	08/07/00	08/09/00	N/A	08/16/00
RFW-20	006	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
RFW-17	007	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
RFW-7	008	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
RFW-13	009	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-6	010	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-8	011	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-9	012	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-9 DUP	013	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-10	014	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-5	015	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-4	016	W	00LVX197	08/07/00	08/09/00	N/A	08/17/00
EW-3	017	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
EW-2	018	W	00LVX197	08/07/00	08/09/00	N/A	08/16/00
LEISTER-DAIRY	019	W	00LVX196	08/07/00	08/09/00	N/A	08/16/00
LEISTER-1	020	W	00LVX197	08/07/00	08/09/00	N/A	08/16/00
LEISTER-2	021	W	00LVX197	08/07/00	08/09/00	N/A	08/16/00
RFW-4A	022	W	00LVX196	08/08/00	08/09/00	N/A	08/16/00
RFW-4A DUP	023	W	00LVX197	08/08/00	08/09/00	N/A	08/16/00
RFW-4A DUP	023 MS	W	00LVX197	08/08/00	08/09/00	N/A	08/16/00
RFW-4A DUP	023 MSD	W	00LVX197	08/08/00	08/09/00	N/A	08/16/00
RFW-4B	024	W	00LVX196	08/08/00	08/09/00	N/A	08/16/00
RFW-6	025	W	00LVX197	08/08/00	08/09/00	N/A	08/16/00
RFW-3B	026	W	00LVX197	08/08/00	08/09/00	N/A	08/16/00
RFW-9	027	W	00LVX197	08/08/00	08/09/00	N/A	08/16/00
RFW-9	027 R1	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00
RFW-9	027 MS	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00
RFW-9	027 MSD	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00
HANP-22	028	W	00LVX197	08/08/00	08/09/00	N/A	08/17/00
HANP-23	029	W	00LVX197	08/08/00	08/09/00	N/A	08/17/00
RFW-11A	030	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00
RFW-11B	031	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00
RFW-1B	032	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00
RFW-12B	033	W	00LVX197	08/08/00	08/09/00	N/A	08/16/00
RFW-12B	033 D1	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00
FIELD BLANK	034	W	00LVX200	08/08/00	08/09/00	N/A	08/17/00

aw
10/10/00

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

RFW LOT # :0008L147

CLIENT ID	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
LAB QC:							
VBLKRZ	MB1	W	00LVX195	N/A	N/A	N/A	08/15/00
VBLKRY	MB1	W	00LVX196	N/A	N/A	N/A	08/16/00
VBLKRY	MB1 BS	W	00LVX196	N/A	N/A	N/A	08/16/00
VBLKSI	MB1	W	00LVX197	N/A	N/A	N/A	08/16/00
VBLKSI	MB1 BS	W	00LVX197	N/A	N/A	N/A	08/16/00
VBLKSJ	MB1	W	00LVX200	N/A	N/A	N/A	08/17/00
VBLKSJ	MB1 BS	W	00LVX200	N/A	N/A	N/A	08/17/00

al
10-10-00

RECRA LabNet Use Only
0008L147

Custody Transfer Record/Lab Work Request

Page 3 of 4
FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS



Client <u>BLACK & DECKER</u>		Refrigerator #	1				
Est. Final Proj. Sampling Date <u>8-8-00</u>		#/Type Container	Liquid	<u>2/6</u>			
Project #			Solid				
Project Contact/Phone # <u>TOM CORNIET (610) 701-7360</u>		Volume	Liquid	<u>40W</u>			
RECRA Project Manager <u>ROB CAREY</u>			Solid				
QC <u>SW 846</u> Del <u>5H</u> TAR <u>28 day</u>		Preservatives	<u>HE1</u>				
Date Rec'd <u>8/8/00</u> Date Dup		ANALYSES REQUESTED →	ORGANIC			INORG	
Account #			VOA	BNA	Pest/PCB	Herb	Metal

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	RECRA LabNet Use Only														
			MS	MSD				↓														
			↓																			
	021	LESTER-2			W	8-7-00	19:00	✓														
	022	RFW-4A				8-8-00	8:45	✓														
	023	RFW-4A dup					8:45	✓														
	024	RFW-4B					9:30	✓														
	025	RFW-6					10:00	✓														
	026	RFW-3B					10:05	✓														
	027	RFW-9					10:25	✓														
	028	HAMP-22					10:40	✓														
	029	HAMP-23					10:45	✓														
	030	RFW-11A					11:20	✓														

Special Instructions:

DATE/REVISIONS:

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

RECRA LabNet Use Only

Samples were:
1) Shipped or Hand Delivered

Airbill # 0008L147

2) Ambient or Chilled

3) Received in Good Condition Y or N

4) Labels Indicate Properly Preserved Y or N

5) Received Within Holding Times Y or N

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

2) Unbroken on Outer Package Y or N

3) Present on Sample Y or N

4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Cooler Temp. _____

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<u>sls</u>	<u>T Keppel</u>	<u>8/9/00</u>	<u>11:40</u>				
<u>sls</u>	<u>IAH</u>	<u>8/9/00</u>	<u>1930</u>				

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES:

