



NOV 13 10 43 AM '94

November 16, 1994

Mr. Bob Haslam  
State of Vermont  
Department of Environmental Conservation  
HMMD  
103 South Main St.  
Waterbury, VT 05671-0404

RE: F. G. White Company, Inc. Site Assessment, VTDEC Site # 93-1443

Dear Mr. Haslam:

Enclosed is the Site Assessment Report for the above mentioned project. This report has been prepared by Griffin International, Inc. (Griffin), in response to subsurface petroleum contamination detected during a routine tank pull at this site on June 6, 1994. Please review the report and call me with any comments or questions that you may have.

Sincerely,

Peter Hack  
Engineer

c: Freeman White, F. G. White Co., Inc.

**SITE ASSESSMENT REPORT**

**For The**

**F.G. WHITE COMPANY, INC.  
WAITSFIELD, VERMONT**

**VTDEC SITE # 93-1443**

**NOVEMBER 1994**

**Prepared for:**

**F. G. White Company, Inc.  
P.O. Box 67  
Waitsfield, VT 05673**

**Prepared By:**

***Griffin International Inc.*  
P.O. Box 943  
Williston, Vermont 05495  
(802) 865-4288**

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## I. INTRODUCTION

This report details Griffin's Site Investigation, performed after a routine tank pull inspection at the F. G. White Company on June 6, 1994. During the tank pull inspection, elevated concentrations of volatile organic compounds (VOCs) were detected in the soils surrounding the USTs. A maximum concentration of 200 ppm (parts per million) of VOCs was detected along the south side the USTs and groundwater was encountered during this work.

Due to the detection of VOCs at the water table and the potential impact to nearby receptors, the Vermont Department of Environmental Conservation (VTDEC) has requested this investigation to further define the degree and extent of subsurface petroleum contamination, and identify and assess the risk posed to local receptors. A work plan and cost estimate were submitted to the VTDEC on August 15, 1994 and approved with modifications on October 14, 1994.

## II. SITE DESCRIPTION

The site is located on Route 17, near the junction of Route 100, in Waitsfield. The area contains other commercial businesses along Route 17, including a restaurant, an automobile repair facility and a residence. The F. G. White facility stands at least 250 feet away from other structures, separated by gravel parking areas and green space. All businesses are served by individual supply wells or springs and are on individual septic systems. The two on site supply wells at F. G. White are about 80 and 150 feet away from the subject USTs.

F. G. White Company, Inc. is a bulk fuel distribution facility. All USTs have been upgraded as of June, 1994. A leak detection system has been in use for several years and has not indicated any leaks in the former USTs. A previous site assessment was prepared in 1993 due to the detection of VOCs during another tank removal inspection for USTs located just east of the subject USTs. No groundwater contamination was detected in five monitoring wells installed for this previous assessment. These previously installed groundwater monitoring wells are shown on the Site Map in Appendix A.

The topography in this vicinity slopes gently to the south, toward Clay Brook, located about 400 to 500 feet away. North of the USTs, the topography slopes sharply up to the property boundary. The geologic maps of the area indicate glaciofluvial gravel overburden deposits overlying quartz-sericite and schist bedrock. The material encountered in the test pits was coarse sand and gravel with some stones and cobbles, to a depth of about eight to ten feet, where clay was encountered.

## III. TEST PITS, SOIL SAMPLING AND ANALYSIS

To further define the extent of soil contamination, two test pits were excavated with a backhoe on October 26, 1994. The locations of these pits, TP1 and TP2, are downgradient of the USTs, and are shown on the site map in Appendix A. Soil samples were collected from the test pits at

different depths and placed in plastic baggies for field screening with a PID. Test pit logs indicating the soil type, depth and VOC concentrations are included in Appendix B.

No VOCs were detected throughout the excavation for TP1, which was excavated to a depth of 9.5 feet. At this depth, groundwater was observed seeping into the hole. This is estimated to be the water table elevation.

No VOCs were detected within the first five feet of TP2. At five to six feet in TP2, the in-situ soils contained 5 parts per million (ppm) of VOCs. A sample from this elevation was collected, placed in a baggie, and screened with the PID. Only 1-2 ppm of VOCs was detected in this sample. The water table was encountered at 6.5 feet below grade in this excavation.

Soil samples were collected from the water table elevation in both test pits. The samples were analyzed by EPA Method 8020, which tests for benzene, toluene, ethylbenzene, xylene (BTEX), and methyl tertiary butyl ether (MTBE), common petroleum compounds. Only 129 parts per billion (ppb) of Total Xylenes were detected in the sample from TP2, located closest to the USTs. This concentration is well below the current Vermont Groundwater Enforcement Standard of 10,000 ppb for this compound. No other VOCs were detected in either soil sample. The laboratory results are included in Appendix C.

#### IV. WATER SAMPLING AND ANALYSIS

On October 26, 1994, Griffin collected groundwater samples from the two on-site supply wells. The well closest to the USTs is only used for washing vehicles, and the other well supplies water to the main office. A trip blank and duplicate sample were also collected for quality control and assurance (QA/QC). The water samples were analyzed by EPA Method 602, which tests for benzene, toluene, ethylbenzene, xylene (BTEX), and methyl tertiary butyl ether (MTBE).

The EPA Method 602 analyses of samples collected from both supply wells did not detect any concentrations of BTEX or MTBE.

The analytical results from the trip blank, and duplicate indicate that proper quality control was maintained during collection, transportation, and analysis of the samples. The laboratory results are attached in Appendix C.

#### V. RECEPTOR SURVEY AND RISK ASSESSMENT

During the site investigation, Griffin visually inspected the area for potential sensitive receptors. The two on-site supply wells are located downgradient, at 80 and 150 feet away from the suspected source of contamination. Several buildings also exist on the subject property. A restaurant and residence, located about 250 feet east of the site, share a spring that is located several hundred feet upgradient of the site. One other supply well is located 300 feet west of the

site. Clay Brook is located about 500 feet south of the site. No other potential receptors were observed.

The two on-site supply wells have not been impacted, as indicated by the respective water quality analyses. Also, the soils collected from the two nearby test pits, at the water table, did not contain elevated concentrations of VOCs. Therefore, it is unlikely that the identified potential receptors are at risk of contamination from this site.

## VI. CONCLUSIONS

There has been release a of petroleum to the subsurface near the USTs. The amount and duration of the release are not known, but it most likely originated from past tank overfills.

No contamination was detected in the two downgradient drilled supply wells and only a minor amount of xylenes was detected in a soil sample collected from one downgradient test pit, TP2. Only minor VOCs were detected in the soils excavated from TP2 when screened with a PID.

Due to the soil types, the distance from the contamination to all other potential receptors, and the non-detect or low VOCs detected in the water and soil samples, the receptors are not at a high risk of impact from subsurface contamination originating from this site.

We do not believe that the contamination poses an immediate or serious threat to human health and safety or to the environment.

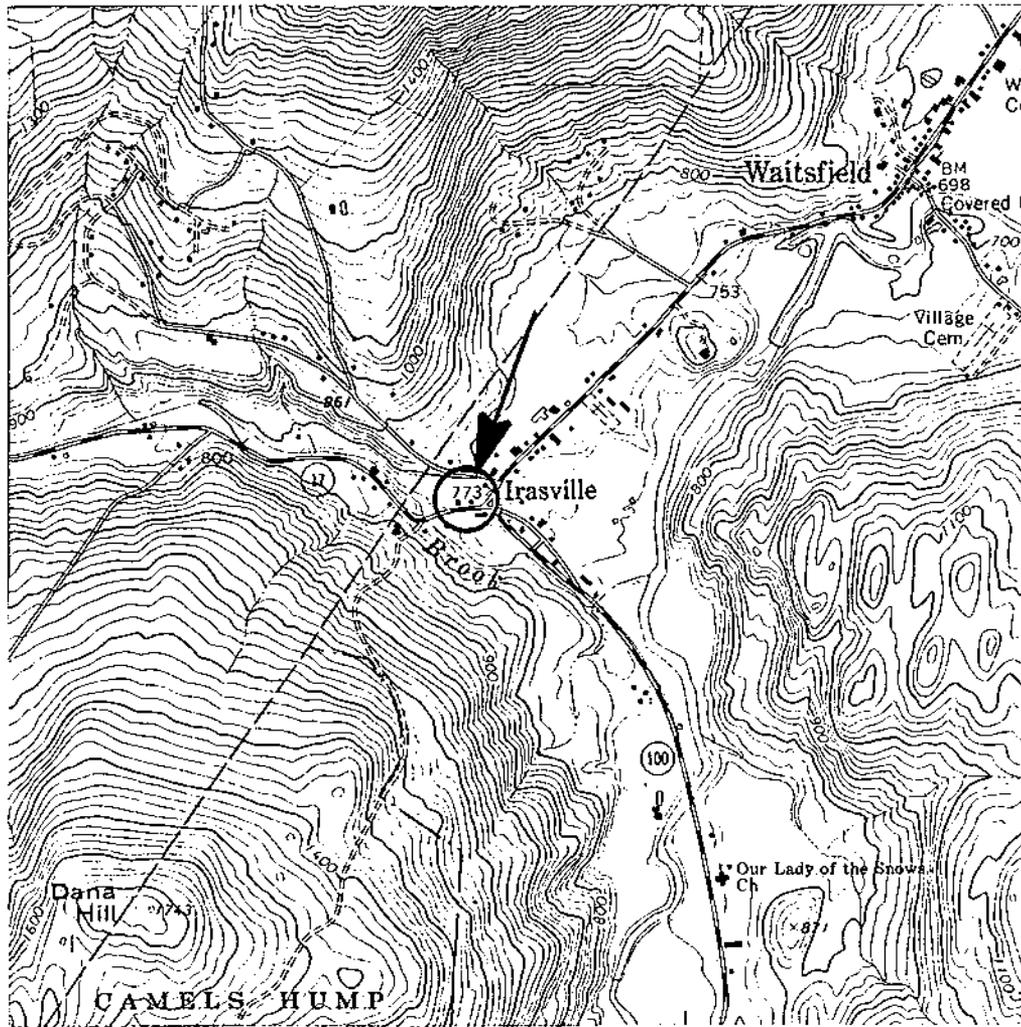
All potential sources have been replaced, and the residual contamination will degrade over time by the natural processes of dilution, biodegradation, dispersion and volatilization.

## VII. RECOMMENDATIONS

Griffin does not recommend any further investigations at this site, and suggests that the site be eligible for closure, per the VTDEC guidelines.

**APPENDIX A**

**Site Location Map  
Site Map**



JOB #: 8944563  
 SOURCE: USGS- WAITSFIELD, VERMONT QUADRANGLE



F.G. WHITE CO. INC.  
 WAITSFIELD, VERMONT  
 SITE LOCATION MAP

DATE: 11/14/94	DWG.#:1	SCALE: 1:24000	DRN.: SB	APP.:PH
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VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 UNDERGROUND STORAGE TANK PROGRAM  
 TANK PULL FORM

TODAY'S DATE: 6/7/94

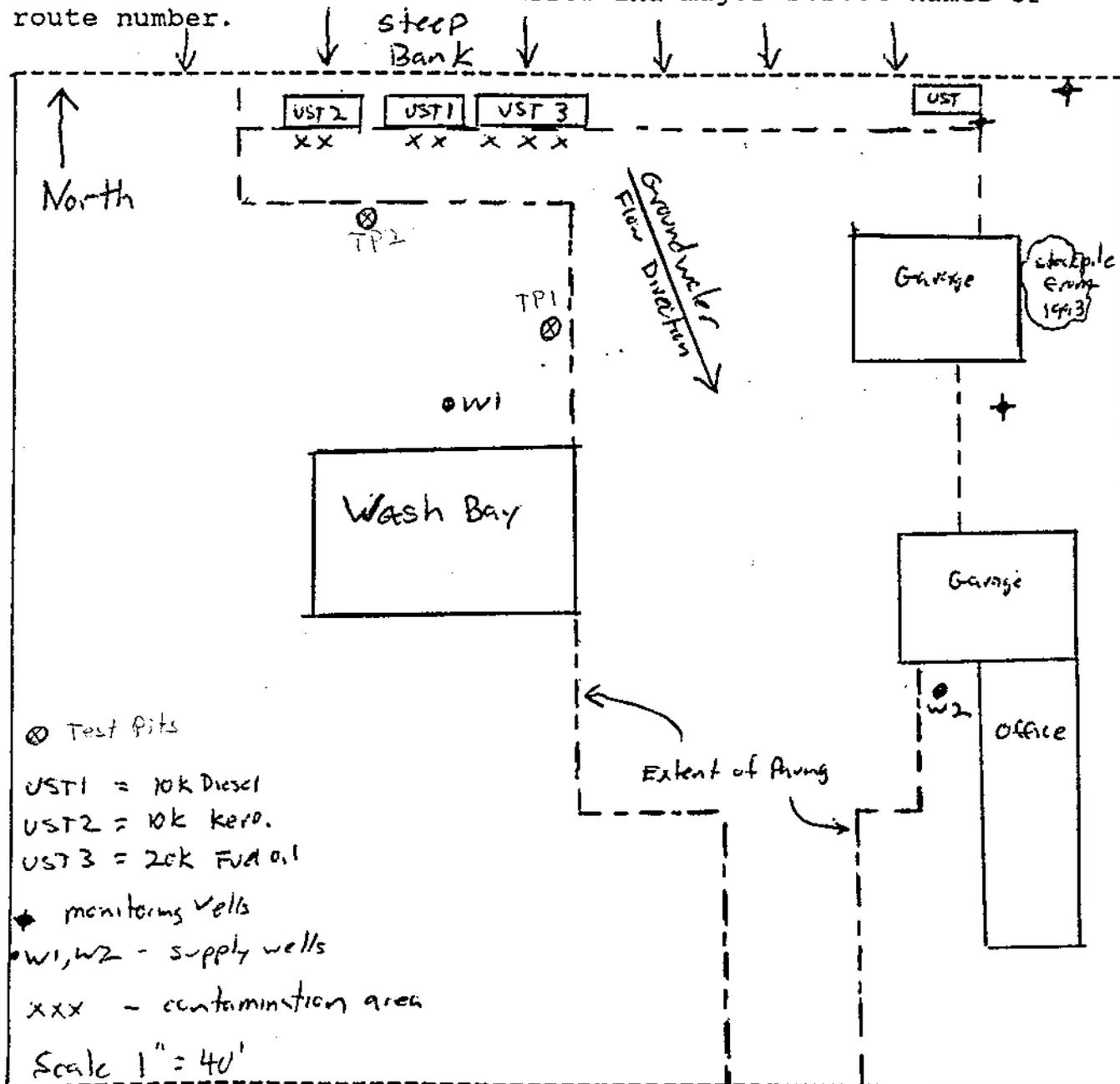
INSPECTOR: P. Hack

DATE OF REMOVAL: 6-6-94

BUSINESS NAME: F.G. WHITE CO  
 WAITS FIELD, VT.

SITE DIAGRAM

Show location of all tanks and distance to permanent structures, sample points, areas of contamination and any pertinent site information. Indicate North arrow and major street names or route number.



west ← RT 17 → to Rt 100

## **APPENDIX B**

### **Test Pit Logs**

PROJECT F.G. WHITE

LOCATION WAITSFIELD, VERMONT

DATE DRILLED 10/26/94 TOTAL DEPTH OF HOLE 10'

DIAMETER \_\_\_\_\_

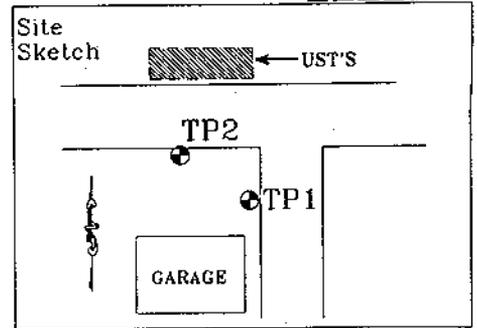
SCREEN DIA. NA LENGTH NA SLOT SIZE NA

CASING DIA. NA LENGTH NA TYPE NA

DRILLING CO. BROTHERS CO. DRILLING METHOD BACKHOE

DRILLER \_\_\_\_\_ LOG BY P. HACK

WELL NUMBER TP1



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		NATIVE BACKFILL	0.4 ppm	TOPSOIL and STONES	0
1					1
2				Golden brown sandy SILT. some stones.	2
3					3
4					4
5				Brown SAND and GRAVEL with black/red coarse sand	5
6					6
7				Reddish brown coarse SAND and GRAVEL boulders.	7
8					8
9					9
10		UNDISTURBED NATIVE SOIL	0.5 ppm	9.5' WATER TABLE	10
11				Gray dense dry CLAY, and wet coarse SAND and GRAVEL at 9.5'	11
12				END OF EXPLORATION AT 10'	12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					24
25		25			

PROJECT F.G. WHITE

LOCATION WAITESFIELD, VERMONT

DATE DRILLED 10/26/94 TOTAL DEPTH OF HOLE 8.5'

DIAMETER \_\_\_\_\_

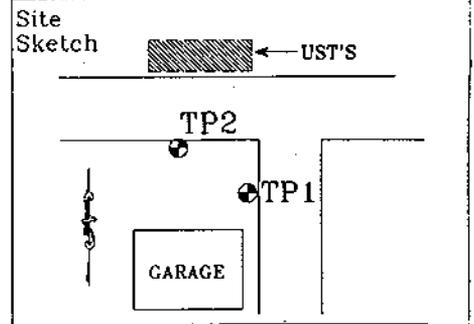
SCREEN DIA. 2" LENGTH 5' SLOT SIZE 0.010"

CASING DIA. 2" LENGTH 2.5' TYPE sch 40 pvc

DRILLING CO. BROTHERS DRILLING METHOD BACKHOE

DRILLER \_\_\_\_\_ LOG BY P. HACK

WELL NUMBER TP2



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0	ROAD BOX LOCKING WELL CAP CONCRETE				0
1	NATIVE BACKFILL		0.4 ppm	Topsoil, silty fine SAND, STONES and BOULDERS.	1
2	BENTONITE			Light brown silty SAND and BOULDERS.	2
3	WELL RISER		0.4 ppm	SAND and GRAVEL	3
4					4
5	SAND PACK			Coarse SAND and GRAVEL	5
6	WELL SCREEN		5 ppm	6.5' WATER TABLE	6
7	BOTTOM CAP			Gray CLAY	7
8					8
9	UNDISTURBED NATIVE SOIL			BASE OF WELL AT 8.5' END OF EXPLORATION AT 8.5'	9
10					10
11					11
12					12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					24
25					25

## **APPENDIX C**

### **Analytical Laboratory Results**



Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

REPORT OF LABORATORY ANALYSIS

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
DATE REPORTED: November 8, 1994  
DATE SAMPLED: October 26, 1994

PROJECT CODE: GIFG1023  
REF. #: 66,702 - 66,703

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody record.

Chain of custody did not indicate sample preservation.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate data was determined to be within Laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

A handwritten signature in black ink, appearing to read "H. Locker", written over a white background.

Harry B. Locker, Ph.D.  
Laboratory Director

enclosures



Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORT

EPA METHOD 8020 COMPOUNDS (PURGEABLE AROMATICS)

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
REPORT DATE: November 8, 1994  
SAMPLER: Peter Hack  
DATE SAMPLED: October 26, 1994  
DATE RECEIVED: October 27, 1994

PROJECT CODE: GIFG1023  
ANALYSIS DATE: November 7, 1994  
STATION: TP-1  
REF.#: 66,702  
TIME SAMPLED: 9:00

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration As Received (ug/kg)</u>
Benzene	20	ND <sup>1</sup>
Chlorobenzene	20	ND
1,2-Dichlorobenzene	20	ND
1,3-Dichlorobenzene	20	ND
1,4-Dichlorobenzene	20	ND
Ethylbenzene	20	ND
Toluene	20	ND
Total Xylenes	20	ND
MTBE	200	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 1

BROMOBENZENE SURROGATE RECOVERY: 96.%

PERCENT SOLIDS: 86.%

NOTES:

1 None detected



Laboratory Services

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Williston, Vermont 05495  
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FAX 879-7103

LABORATORY REPORT

EPA METHOD 8020 COMPOUNDS (PURGEABLE AROMATICS)

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
REPORT DATE: November 8, 1994  
SAMPLER: Peter Hack  
DATE SAMPLED: October 26, 1994  
DATE RECEIVED: October 27, 1994

PROJECT CODE: GIFG1023  
ANALYSIS DATE: November 7, 1994  
STATION: TP-2  
REF.#: 66,703  
TIME SAMPLED: 9:30

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration As Received (ug/kg)</u>
Benzene	20	ND <sup>1</sup>
Chlorobenzene	20	ND
1,2-Dichlorobenzene	20	ND
1,3-Dichlorobenzene	20	ND
1,4-Dichlorobenzene	20	ND
Ethylbenzene	20	ND
Toluene	20	ND
Total Xylenes	20	129.
MTBE	200	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: >10

BROMOBENZENE SURROGATE RECOVERY: 96.%

PERCENT SOLIDS: 87.%

NOTES:

1 None detected

**CHAIN-OF-CUSTODY RECORD**

12308

Project Name: <b>F.G. White</b>	Reporting Address: <b>Box 943, 19 Cornice St</b>	Billing Address:
Site Location: <b>Waits Field</b>	<b>Williston</b>	
Endyne Project Number: <b>GIFG1023</b>	Company: <b>Griffin Int'l.</b>	Sampler Name: <b>Peter Hack</b>
	Contact Name/Phone #: <b>Peter Hack</b>	Phone #: <b>865 4288</b>

Lab #	Sample Location	Matrix	G R A B	C O M P	Date/Time	Sample Containers		Field Results/Remarks	Analysis Required	Sample Preservation	Rush
						No.	Type/Size				
	Trip Blank	H <sub>2</sub> O			10/26/94 8:30	2	40ml		20	Hcl	
	Wash Bay	H <sub>2</sub> O			9:30	2	40ml		20	"	
	office	H <sub>2</sub> O			10:05	2	40ml		20	"	
	Duplicate - office	H <sub>2</sub> O			10:05	2	40ml		20	"	
<del>66 702</del>	TP1	soil			9:00	2	250ml		27	N/A	
<del>66 703</del>	TP2	soil			9:30	2	250ml		27	N/A	

Relinquished by: Signature <i>P. Hack</i>	Received by: Signature <i>Beth Ward</i>	Date/Time <b>10-27-94</b> <b>9:00</b>
Relinquished by: Signature <i>Beth Ward</i>	Received by: Signature <i>Thomas M. Chambers</i>	Date/Time <b>10-27-94</b> <b>9:35</b>

**Requested Analyses**

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 801/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD <sub>5</sub>	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										



**ENDYNE, INC.**

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333

### CHAIN-OF-CUSTODY RECORD

12308

Project Name: <b>F.G. White</b>	Reporting Address: <b>2009143, 14 Commerce St Williston</b>	Billing Address:
Site Location: <b>Waits Field</b>		
Endyne Project Number:	Company: <b>Coffee Int'l.</b>	Sampler Name: <b>Peter Hack</b>
	Contact Name/Phone #: <b>Peter Hack</b>	Phone #: <b>805 4288</b>

Lab #	Sample Location	Matrix	G R A B	C O M P	10/26 Date/Time <del>8/26/94</del>	Sample Containers		Field Results/Remarks	Analysis Required	Sample Preservation	Rush
						No.	Type/Size				
	Trip Blank	H <sub>2</sub> O			8:30	2	40ml		20	H <sub>2</sub> O	
	Wash Bay	H <sub>2</sub> O			9:30	2	40ml		20	"	
	office	H <sub>2</sub> O			10:05	2	40ml		20	"	
	Duplicate - office	H <sub>2</sub> O			10:05	2	40ml		20	"	
	TP1	soil			9:00	2	250ml		27	N/A	
	TP2	soil			9:30	2	250ml		27	N/A	

Relinquished by: Signature <i>P. Hack</i>	Received by: Signature <i>[Signature]</i>	Date/Time <b>10 21 14</b>
---	---	---------------------------

Relinquished by: Signature <i>[Signature]</i>	Received by: Signature <i>[Signature]</i>	Date/Time <b>10 21 14</b>
---	---	---------------------------

#### Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8016/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD <sub>5</sub>	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										

RECEIVED OCT 21 1994

**Laboratory Services**

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

**REPORT OF LABORATORY ANALYSIS**

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
REPORT DATE: November 7, 1994  
DATE SAMPLED: October 26, 1994

PROJECT CODE: GIFG1022  
REF.#: 66,698 - 66,701

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Chain of custody indicated samples were preserved with HCl.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times. All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method. Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate recovery data was determined to be within laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.  
Laboratory Director

enclosures



Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
REPORT DATE: November 7, 1994  
DATE SAMPLED: October 26, 1994  
DATE RECEIVED: October 27, 1994  
DATE ANALYZED: November 6, 1994

PROJECT CODE: GIFG1022  
REF.#: 66,698  
STATION: Trip Blank  
TIME SAMPLED: 8:30  
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND <sup>1</sup>
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 102%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
REPORT DATE: November 7, 1994  
DATE SAMPLED: October 26, 1994  
DATE RECEIVED: October 27, 1994  
DATE ANALYZED: November 6, 1994

PROJECT CODE: GIFG1022  
REF.#: 66,699  
STATION: Wash Bay  
TIME SAMPLED: 9:30  
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND <sup>1</sup>
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 100%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
REPORT DATE: November 7, 1994  
DATE SAMPLED: October 26, 1994  
DATE RECEIVED: October 27, 1994  
DATE ANALYZED: November 6, 1994

PROJECT CODE: GIFG1022  
REF.#: 66,700  
STATION: Office  
TIME SAMPLED: 10:05  
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND <sup>1</sup>
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 93%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

**Laboratory Services**

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORTEPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International  
PROJECT NAME: F.G. White  
REPORT DATE: November 7, 1994  
DATE SAMPLED: October 26, 1994  
DATE RECEIVED: October 27, 1994  
DATE ANALYZED: November 6, 1994

PROJECT CODE: GIFG1022  
REF.#: 66,701  
STATION: Office (Dup)  
TIME SAMPLED: 10:05  
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND <sup>1</sup>
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 98%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

**NOTES:**

1 None detected

**CHAIN-OF-CUSTODY RECORD**

12308

Project Name: <b>F. G. White</b>	Reporting Address: <b>Box 943, 19 Commerce St Williston</b>	Billing Address:
Site Location: <b>Waitsfield</b>		
Endyne Project Number: <b>CG1027</b>	Company: <b>Griffin Inst'l.</b>	Sampler Name: <b>Peter Hack</b>
	Contact Name/Phone #: <b>Peter Hack</b>	Phone #: <b>865 4288</b>

Lab #	Sample Location	Matrix	G R A B	C O M P	Date/Time	Sample Containers		Field Results/Remarks	Analysis Required	Sample Preservation	Rush
						No.	Type/Size				
1061698	Trip Blank	H <sub>2</sub> O			10/26/94 8:30	2	40ml		20	H <sub>2</sub> O	
1061699	Wash Bay	H <sub>2</sub> O			9:30	2	40ml		20	"	
106700	office	H <sub>2</sub> O			10:05	2	40ml		20	"	
106701	Duplicate - office	H <sub>2</sub> O			10:05	2	40ml		20	"	
	TP1	soil			9:00	2	250ml		27	N/A	
	TP2	soil			9:30	2	250ml		27	N/A	

Relinquished by: Signature <b>P. Hack</b>	Received by: Signature <b>Beth Ward</b>	Date/Time <b>10-27-94 9:00</b>
Relinquished by: Signature <b>Beth Ward</b>	Received by: Signature <b>Teresa M. Chambers</b>	Date/Time <b>10-27-94 9:35</b>

**Requested Analyses**

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 801/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD <sub>5</sub>	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										