

**PHASE II ENVIRONMENTAL
SITE ASSESSMENT REPORT**

**CHAMPLAIN MILL
ONE MAIN STREET
WINOOSKI, VERMONT**

Prepared for:

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EXECUTIVE SUMMARY

Leggette, Brashears & Graham, Inc. (LBG) has conducted a Phase II Environmental Site Assessment (ESA) which included a subsurface soil investigation and subsequent groundwater quality testing at the Champlain Mill building on Main Street in Winooski, Vermont (the Site). The Site consists of the Champlain Mill building footprint. The Phase II investigation focused on the soil and groundwater quality beneath the building footprint. Soil samples were obtained from on-Site borings and groundwater samples were collected from the groundwater monitor wells installed. Soil and groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260 and RCRA 8 metals via Method SW 6010B. In addition, the soil samples were analyzed for fraction of organic carbon via ASTM Method D2974-87. Soil boring/groundwater monitoring well locations and analytical analyses were chosen in an effort to validate or invalidate a portion of the recognized environmental conditions (RECs) previously determined by Clay Point Associates, Inc. in a recent Phase I ESA.

The soils on-Site generally consisted of urban fill, sand, and gravel layers with cobble over a silt or clay layer. Refusal was encountered in two borings at depths of 5.3 to 5.5 feet below the basement floor surface and clay was encountered in one boring at a depth of 5.4 feet below the basement floor surface.

The groundwater flow direction based on the three groundwater elevations indicates that the flow is towards the Winooski River in a convergent flow pattern under the Site. It should be noted that the surface elevation of the river is more than four feet lower than the groundwater elevation measured in LBG-2 located approximately 15 feet north of the rivers edge.

Laboratory analyses of the soil samples collected indicate trichloroethene (TCE) contamination above the US EPA Region 9 Preliminary Remediation Goals for industrial properties.

Based on previous studies by Greatwood Management Company and Dufrense-Henry chlorinated compounds were found in the groundwater adjacent to the Mill building and the groundwater flow direction was stated to be towards the Mill building. As such, the contamination originating from the former Stephens Foundry and Machine Shop (previously located on the adjacent property) may have impacted the soil beneath the Mill building.

Laboratory analyses of the groundwater samples collected from LBG-1 indicate mercury and lead concentrations exceed the Vermont Groundwater Enforcement Standards (VGES). Lead was also detected above the VGES in LBG-3. The lead may be from the leaching of the urban fill commonly found in and around the Mill building. The mercury found in the soil and groundwater is likely from the wire coating process used by American Supertemp Wire, Inc. It is unclear at this time how mercury may have migrated to impact the soil and groundwater beneath the northeast corner of the Mill

building. However, the location of the ingress/egress to the building during the mid 1950's through 1978 was reportedly via the east end of the building proximate to LBG-1.

LBG recommends notifying the State of Vermont Department of Environmental Conservation (VTDEC) Sites Management Section by submission of this report.

LBG recommends developing a long term groundwater monitoring program at the Site including analysis for VOCs and RCRA 8 metals using low flow methods from the three (3) wells. If no VOCs are detected during the next monitoring event that exceed the VGES, then LBG will likely recommend discontinuing sampling for VOCs.

An evaluation of the Mill building's "storm drains" that protrude from the south side of the building and discharge to the Winooski River should be made and sampled as appropriate.

A mercury testing program has been undertaken by ATC Associates of Richmond, Vermont on behalf of an interested party. The results of that testing should be reviewed in an effort to evaluate the migration of mercury in the building.

1.0 INTRODUCTION & BACKGROUND

Leggette, Brashears & Graham, Inc. (LBG) has prepared this report to detail the recent subsurface investigation conducted at the Champlain Mill building on Main Street in Winooski, Vermont (the Site). The Site consists of the Champlain Mill building footprint. A Phase I Environmental Site Assessment (ESA) conducted by Clay Point Associates, Inc. (CPAI), recommended additional environmental work. The location of the Site is depicted on *Figure 1*, Site Location Map and details of the Site are shown on *Figure 2*, the Site Plan.

The Site is located in a mixed commercial/residential area of Winooski and is located on the USGS 7.5 Minute Topographic Map Series Burlington, Vermont Quadrangle. Adjacent properties include the Winooski Community Development Corporation Property and the Winooski River. The Site is relatively flat and drops off to the south into the Winooski River.

The building was constructed in the early 1900's and was identified as Mill # 4. The main use of the building was for the weaving of textiles, specifically worsted wool. After the mill ceased operations in circa 1954 the building was occupied by several industrial firms including American Supertemp Wire, Inc. a company that conducted a wire coating process on the fifth floor of the building. The wire coating process involved the use of elemental mercury. Apparent releases of mercury occurred and as a result, the internal floor system of the fifth level contains levels of mercury. In 1985 elemental mercury droplets fell from the fifth floor to the fourth floor. The droplets were cleaned up and subsequent air monitoring activities have occurred sporadically through January 2007.

The CPAI Phase I ESA identified several recognized environmental conditions (RECs) in regards to the Site including the following:

- Presence of chlorinated solvents and petroleum constituents in groundwater in the vicinity of the Champlain Mill at levels exceeding the Vermont Groundwater Enforcement Standards (VGES).
- Past uses of degreasers (chlorinated solvents) and cutting/lubricating oils (petroleum products) in designated areas of the Champlain Mill by previous building occupants.
- Historical presence of mercury within designated areas of the Champlain Mill.
- Presence of three (3) industrial type batteries and one (1) plastic container of used batteries in First Level Boiler Room.

The same company that conducted wire coating activities at the Site was previously a tenant of the former Stephens Machine and Foundry building located just northeast of the Site. The former Stephens Machine and Foundry property is now owned by the City of Winooski. Previous environmental work conducted prior to, and during the redevelopment of the area by the Winooski Community Development Corporation (WCDC) identified four areas of concern. These areas include two former gasoline stations, the former Stephens Machine and Foundry and the Champlain Mill boiler plant.

Contamination identified from the work performed for the WCDC included petroleum and chlorinated VOCs and metals. Mercury contamination was not identified in the work performed for the WCDC.

The most recent groundwater monitoring event conducted on behalf of the WCDC was conducted in October 2002. Five monitoring wells were tested for VOCs and the groundwater elevations were calculated. The results of analysis showed low levels of VOCs were identified in wells located northeast and proximate to the Site. A Groundwater Elevation Plan, prepared by Greatwood Management Company, LLC, dated December 1999 shows the groundwater flow direction towards the Site and the Winooski River.

A subsurface investigation and subsequent groundwater monitoring work plan was proposed in January 2007 at the Site. The work plan included the installation of three borings and if possible, the conversion of the borings to monitoring wells for subsequent testing of the groundwater. The work plan was voluntarily submitted to the State of Vermont Department of Environmental Conservation (VTDEC). The VTDEC responded by suggesting chemical analysis of the soil and testing the soil for the fraction of organic carbon (foc).

2.0 SUBSURFACE INVESTIGATION

2.1 Advancement of Soil Borings

On January 10, 2007, LBG personnel cored through the concrete slab using a water cooled core drill prior to advancing soil borings using Geoprobe[®] hand tools. Boring locations are on the Site's river level floor inside the Building footprint. The locations are depicted on *Figure 2* and photographic documentation of the advancement of soil borings is provided as *Appendix 1*. A Geoprobe[®] MacroCore sampler, four feet in length, was driven into the subsurface using a percussion hammer. The sampler and tool strings were removed with a Geoprobe[®] tool jack. Soil boring depths range from 5.3 to 8.75 feet from basement floor surface. The floor level in the boiler room, where LBG-1 was installed, was at an elevation approximately two feet lower than the remaining floor level. As each soil sample was retrieved, the soils were screened for VOCs with a photoionization detector (PID) using conventional headspaces techniques.

The HNu Model 101 PID with a 10.2 eV lamp was calibrated to a 100 isobutylene standard referenced to benzene prior to screening. No elevated PID readings were recorded. Soil boring logs describing soils encountered from each borehole are provided in *Appendix 2*.

Soil samples from each soil boring were collected for laboratory analyses. The soil samples were submitted to ChemServe Analysts (ChemServe) of Milford, New Hampshire for VOC analysis, RCRA 8 metals and foc.

2.2 Site Geology

Based on an 1884 Sanborn fire insurance map, the Winooski River traversed a large section of the Site, as depicted on *Figure 2*. Therefore, a portion of the Site building likely resides on old urban fill.

The soils encountered beneath the concrete pad generally consisted of fill, sand, gravel layers with cobble over a silt and/or clay layer. Refusal was encountered in two borings, LBG-1 and LBG-3, at depths of 5.3 to 5.5 feet below the basement floor surface. In LBG-2, clay was observed and this boring was ended in to confining layer. More soil details can be found in *Appendix 2*. No formal bedrock evaluations were conducted as part of this investigation. However, the Dufrense-Henry *Report on Environmental Site Assessment, Winooski Redevelopment Area, Main and East Allen Street, Winooski, Vermont* dated September 17, 1999, identified the bedrock as the Winooski dolomite, pink, buff and gray in color and found in beds ranging from 4 to 12 inches. The exposed bedrock that runs across the river creating the falls is fractured.

2.3 Well Construction

The soil borings were completed as 1-inch diameter groundwater monitoring wells. Each well is constructed with a Schedule 40 PVC solid riser and a Schedule 40 PVC 0.010 machine slotted screen. A No. 0 sand pack was used and a bentonite seal was placed above the screened portion of each well. The wells were finished at grade with a flush mounted well guard.

Following completion, each well was developed in an effort to hydraulically connect the well with the aquifer to allow for more accurate representation of *in situ* conditions and to remove materials introduced into the well during construction.

2.4 Site Plan

A Site Plan, *Figure 2*, was developed using a map from Greatwood Management Company, LLC's February 2000 Bedrock Surface Elevation Plan and a Sanborn Fire Insurance Map provided in CPAI's Phase I ESA. The wells were surveyed for elevation on January 30, 2007 and their locations were measured as they pertained to the interior building plans provided by CPAI.

3.0 GROUNDWATER SAMPLING

3.1 Groundwater Elevations and Flow Direction

The average groundwater elevation on January 17, 2007 was 95.43 feet, referencing an arbitrary temporary bench mark located on the river level floor (elevation set at 100 feet), and ranged from 94.41 feet to 96.11 feet in wells LBG-2 and LBG-3, respectively. Based on the data collected, the groundwater flow direction is interpreted to be to the south towards the Winooski River. A horizontal hydraulic gradient of 0.009 feet per foot is

apparent between LBG-3 and LBG-2. The Winooski River elevation was 90.18 which is approximately 4.23 feet lower than the groundwater elevation measured closest to the river (LBG-2). **Figure 3**, Groundwater Contour Plan, shows groundwater flow, elevations, and contours. It should be noted that the southern foundation wall of the building is also the edge of the surface water. Review of Sanborn maps prior to the construction of the Mill and those developed after the construction of the Mill shows that a portion of the southern side of the Mill building may have been built in the former river bed. Refer to **Figure 2**, Site Plan, which shows the river's approximate boundary prior to construction.

The attached **Table 1**, Groundwater Table Elevations, further details data collected in the field.

3.2 Groundwater Sample Collection

Following depth to water measurements and prior to sample collection, groundwater was purged from the wells in order to obtain a representative groundwater sample using a peristaltic low flow pump and dedicated polyethylene tubing. Once the stabilization of parameters including temperature, specific conductance, dissolved oxygen and pH occurred, samples were collected. The data can be found in **Appendix 3**. Purge water was placed in the on-Site 30-gallon drum.

Sample glassware included 2-40 milliliter glass vials preserved with hydrochloric acid and a 500 milliliter plastic bottle preserved with nitric acid (HNO₃) for each well sampled. A duplicate (DUP) sample, collected from LBG-1, and a field blank sample were collected for Quality Assurance/Quality Control (QA/QC) purposes. The samples were shipped on ice under chain of custody to ChemServe for analysis.

4.0 ANALYTICAL RESULTS

4.1 Soil Samples

The laboratory data received from ChemServe indicate VOC concentrations exceeding the US EPA Region 9 Preliminary Remedial Goals (PRGs) for industrial properties in one of the three samples collected for analysis. RCRA 8 metals were also detected but at concentrations that do not exceed the PRGs. The soil sample results are compared to PRGs since the State of Vermont has no established soil standards. The results are summarized in the attached **Tables** and the complete laboratory report is provided as **Appendix 4**.

VOCs

TCE was detected above the industrial PRG of 110 microgram per kilogram (µg/Kg) in LBG-2 (230 µg/Kg). TCE was also detected in LBG-1 at 29 µg/Kg. TCE was not detected above the method detection limits (MDLs) in LBG-3.

Naphthalene was detected above the MDLs in LBG-1 (120 µg/Kg) and LBG-2 (20 µg/Kg). Naphthalene was not detected above the MDLs in LBG-3. There is no established PRG for naphthalene.

RCRA 8 Metals

Barium, chromium, lead, and mercury were detected above the MDLs; however, were not detected above the residential or industrial PRGs.

4.2 Groundwater Samples

The laboratory data received from ChemServe indicate RCRA 8 metals concentrations exceeding the VGES in two of the three samples collected for analysis. VOCs are also detected but not at concentrations that exceed the VGES. The results are summarized in the attached *Tables* and the complete laboratory report is provided as *Appendix 4*.

VOCs

Naphthalene was detected above the MDL in LBG-1 at 3 micrograms per liter (µg/L). Naphthalene was not detected above the MDL in any other well sampled.

No other target VOCs were detected above their respective MDL in the sampled wells.

No target VOCs were detected above their respective VGES in the sampled wells.

RCRA 8 Metals

Lead was detected above the VGES of 15 µg/L in LBG-1 (82 µg/L) and LBG-3 (64 µg/L). Lead was not detected above the MDL in LBG-2.

Mercury was detected above the VGES of 2.0 µg/L in LBG-1 at 6 µg/L. Mercury was not detected above the MDLs in any other sample.

Arsenic and chromium were detected in LBG-3 at concentrations below the VGES. Arsenic and chromium were not detected above the MDLs in any other well sampled.

Barium concentrations detected in all wells sampled did not exceed the VGES.

Silver was detected above the MDL but below the VGES in LBG-1. Silver was not detected above the MDL in any other sample.

4.3 Quality Assurance / Quality Control

All laboratory data has been validated for the following parameters prior to acceptance:

- Correct sample identification;
- Correct reporting limits;
- Analysis within the method specified holding time;

- Acceptable detection limit multipliers; and,
- Acceptable surrogate recoveries.

During LBG's QA/QC evaluation, it was determined that when soil samples were collected, LBG-1 and LBG-3 were misnamed. Analytical results and depth to water measurements support this. LBG-1 and LBG-3 results are tabulated in the *Tables* correctly and the corrections are noted on the laboratory report.

The Field Blank collected contained 4 µg/L of bromoform. Since bromoform was not detected within any other sample, cross contamination of bromoform does not appear to be a factor.

Based on LBG's QA/QC evaluation, the data is found to be acceptable.

5.0 RECEPTOR SURVEY

LBG personnel conducted a sensitive receptor survey. This included an evaluation of receptors in the immediate vicinity of the Site.

A receptor survey of the Site was limited due to the building location adjacent to the Winooski River. The Winooski River is immediately and hydraulically down gradient of the Site. The obvious receptor is the river and the indoor air space of the building. The drain pipes protruding from the south wall of the building may relieve the groundwater under the building. If the water draining from these pipe(s) is groundwater, a water quality monitoring station at the pipe discharge should be established.

The presence of mercury and TCE found beneath the slab of the building does not pose a threat of vapor intrusion due the low concentrations detected.

6.0 FINDINGS

LBG draws the following findings from the data collected during the January 2007 subsurface investigation and subsequent groundwater monitoring event.

- The soils on-Site generally consisted of fill, sand, and gravel layers with cobble over a silt or clay layer. Refusal was encountered in two borings at depths of 5.3 to 5.5 feet below the basement floor surface and clay was encountered in one boring at a depth of 5.4 feet below the basement floor surface.
- The groundwater flow direction based on the three groundwater elevations indicates that the flow is towards the Winooski River. It should be noted that the surface elevation of the river is more than four feet lower than the groundwater elevation measured in LBG-2 located approximately 15 feet north of the rivers

edge.

- Laboratory analyses of the soil samples collected indicate TCE contamination above the industrial PRGs.
- Laboratory analyses of the groundwater samples collected from LBG-1 indicate mercury and lead contamination exceed the VGES.
- Foc percentages vary in the three soil borings. The typical percent of natural organic carbon ranges from 0.1 to 1 % and decreases with depth. The percent of foc found in LBG-2 and LBG -3 is much higher (perhaps due to the amounts of fill) showing that the soils will adsorb non-polar chlorinated compounds including TCE.

7.0 CONCLUSIONS

Based on the January 2007 subsurface investigation and groundwater monitoring event, TCE concentrations above the US EPA Region 9 PRG for industrial properties are present within the soil beneath the Site and mercury and lead concentrations exceeding the VGES are present in the groundwater beneath the Site.

Review of the *Report on Environmental Site Assessment, Winooski Redevelopment Area, Main and East Allen Street, Winooski, Vermont* prepared by Dufresne-Henry, Inc. and dated September 17, 1999, shows metals (arsenic, barium, cadmium, chromium, and lead) contamination within the soil sample collected from a former well proximate to LBG-1.

Review of additional reports on the environmental quality of the WCDC Property, also shows TCE contamination of the groundwater and soil beneath the adjacent property resulting from a release or releases at the former Stevens Foundry and Stevens Machine Shop.

Based on previous studies by Greatwood Management Company and Dufresne-Henry chlorinated VOCs were found in the groundwater adjacent to the Mill building and the groundwater flow direction was stated to be towards the Mill building. As such, the contamination originating from the former Stephens Foundry and Machine Shop may have impacted the soil beneath the Mill building.

Laboratory analyses of the groundwater samples collected from LBG-1 indicate mercury and lead concentrations exceed the VGES. Lead was also detected above the VGES in LBG-3. The lead in groundwater may be from the leaching of the urban fill commonly found in and around the Mill building. The mercury found in the soil and groundwater is likely from the wire coating process used by American Supertemp Wire, Inc. It is unclear at this time how mercury may have migrated to impact the soil and groundwater beneath the northeast corner of the Mill building. However, the location of the

ingress/egress to the building during the mid 1950's through 1978 was reportedly via the east end of the building proximate to LBG-1.

8.0 RECOMMENDATIONS

LBG recommends notifying the VTDEC Sites Management Section by submission of this report.

LBG recommends developing a long term groundwater monitoring program at the Site including analysis for VOCs and RCRA 8 metals using low flow methods from the three (3) wells. If no VOCs are detected during the next monitoring event that exceed the VGES, then LBG will likely recommend discontinuing sampling for VOCs.

An evaluation of the Mill building's "storm drains" that protrude from the south side of the building and discharge to the Winooski River should be made and if appropriate, water discharging from the drains should be sampled and analyzed.

A mercury testing program has been undertaken by ATC Associates of Richmond, Vermont on behalf of an interested party. The results of that testing should be reviewed in an effort to evaluate the migration of mercury in the building to the subsurface.

APPENDIX 1
SITE PHOTOGRAPHS

**Champlain Mill
Main Street
Winooski, Vermont**



1. Setting equipment up in the boiler room, prior to installing LBG-1.



2. The concrete core sample from LBG-1.

**Champlain Mill
Main Street
Winooski, Vermont**



3. LBG-1.



4. LBG-1.

**Champlain Mill
Main Street
Winooski, Vermont**



5. LBG-1 with a gripper installed.



6. LBG-1 with a well guard in place.

**Champlain Mill
Main Street
Winooski, Vermont**



7. LBG-3 within the hallway on the river level.



8. LBG-3.

**Champlain Mill
Main Street
Winooski, Vermont**



9. Coring LBG-2.



10. LBG-2.

**Champlain Mill
Main Street
Winooski, Vermont**



11. Concrete core sample from LBG-2. The original concrete (left) and the more recent slab poured above (right).

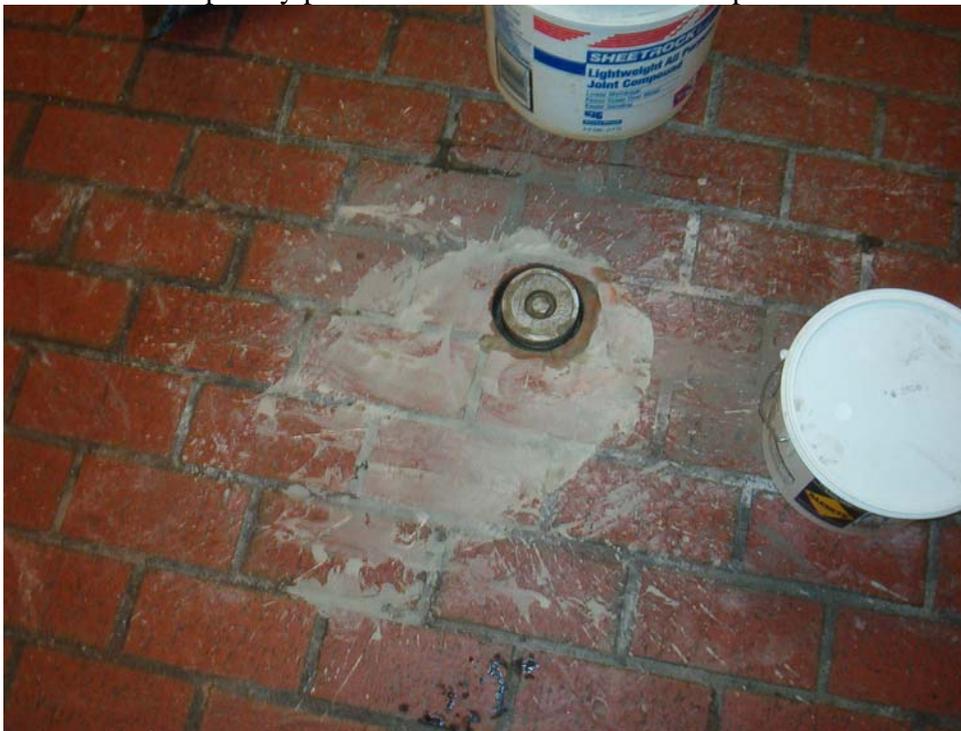


12. Glass from the soil boring of LBG-2.

**Champlain Mill
Main Street
Winooski, Vermont**



13. Glass and pottery pieces removed from the soil sample from LBG-2.



14. LBG-3 with a well guard in place.

**Champlain Mill
Main Street
Winooski, Vermont**



15. The 30-gallon drum containing soil cores and development water from the wells.

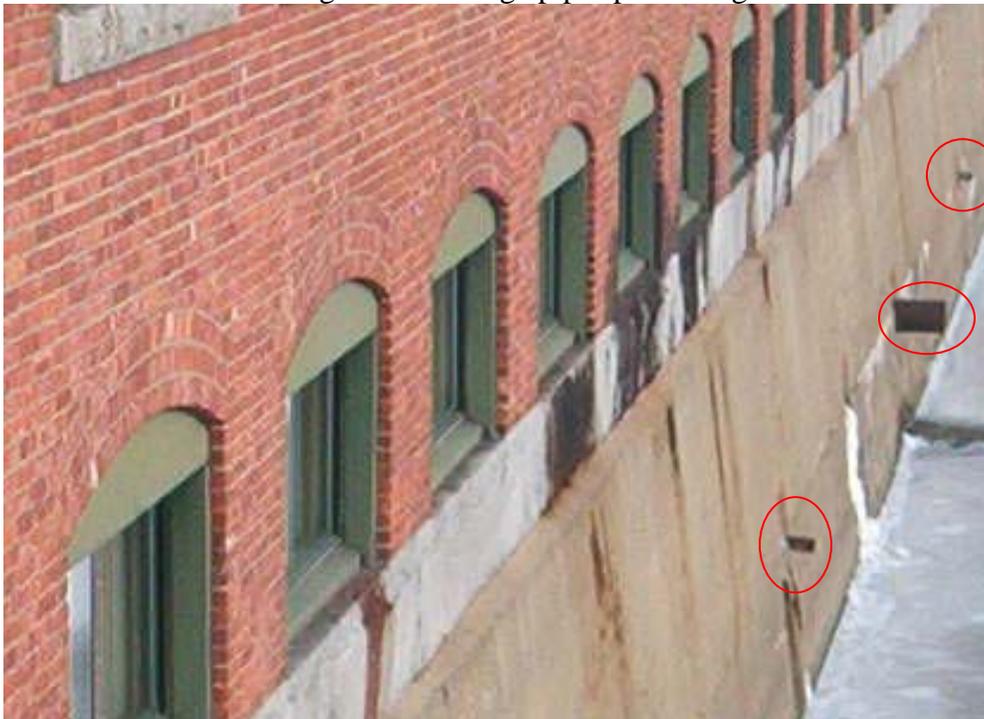


16. South side of the Champlain Mill.

**Champlain Mill
Main Street
Winooski, Vermont**



17. South side of building with discharge pipes protruding from the concrete.



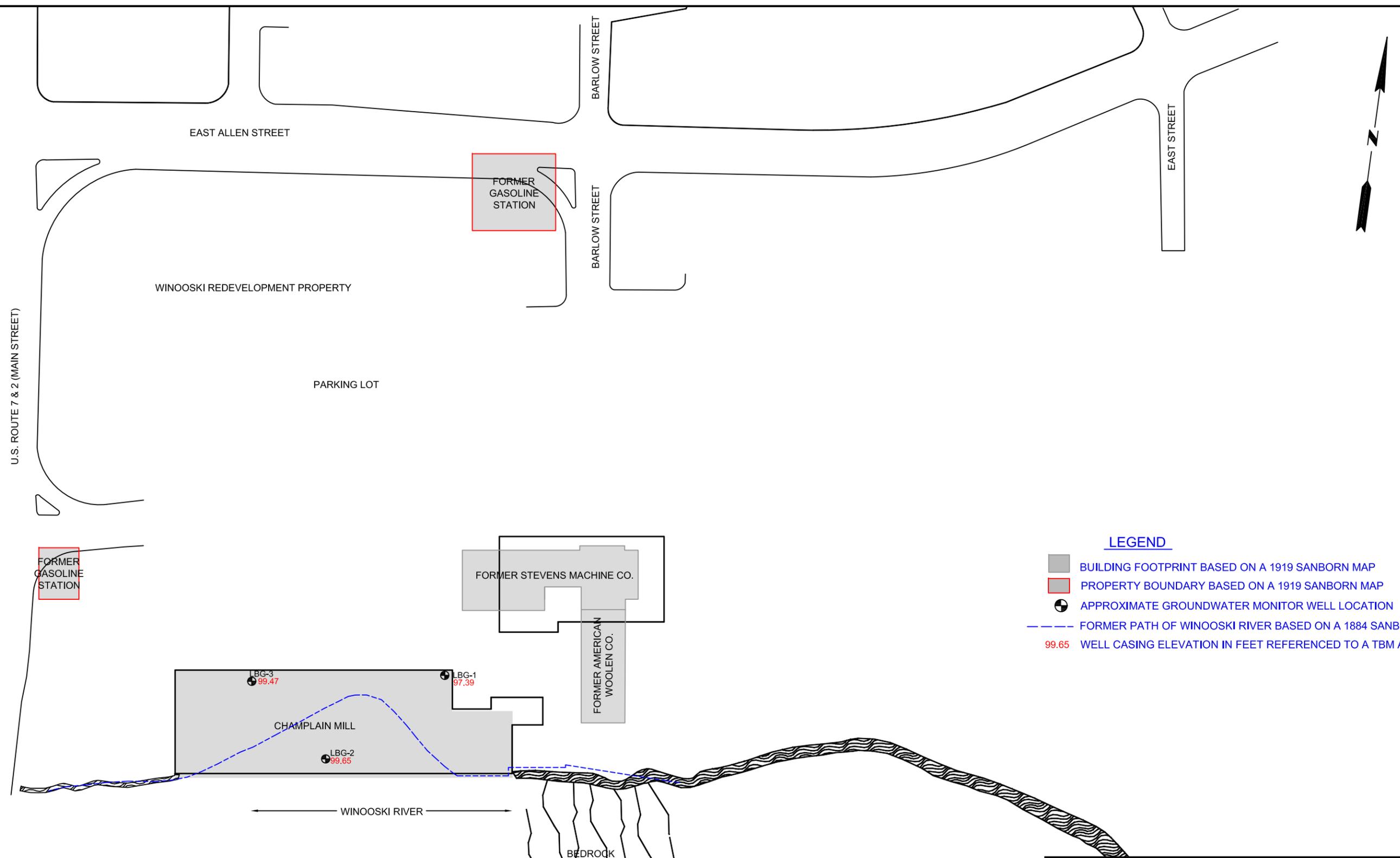
18. South side of building with discharge pipes.

**Champlain Mill
Main Street
Winooski, Vermont**



19. South side of building with discharge pipes.

FIGURES



LEGEND

- BUILDING FOOTPRINT BASED ON A 1919 SANBORN MAP
- PROPERTY BOUNDARY BASED ON A 1919 SANBORN MAP
- + APPROXIMATE GROUNDWATER MONITOR WELL LOCATION
- FORMER PATH OF WINOOSKI RIVER BASED ON A 1884 SANBORN MAP
- 99.65 WELL CASING ELEVATION IN FEET REFERENCED TO A TBM AT 100'



REFERENCES:

1. PORTIONS OF THIS PLAN REFERENCE GREATWOOD MANAGEMENT COMPANY, LLC'S FEB. 2000 BEDROCK SURFACE ELEVATION PLAN & A 1919 SANBORN FIRE INSURANCE MAP.

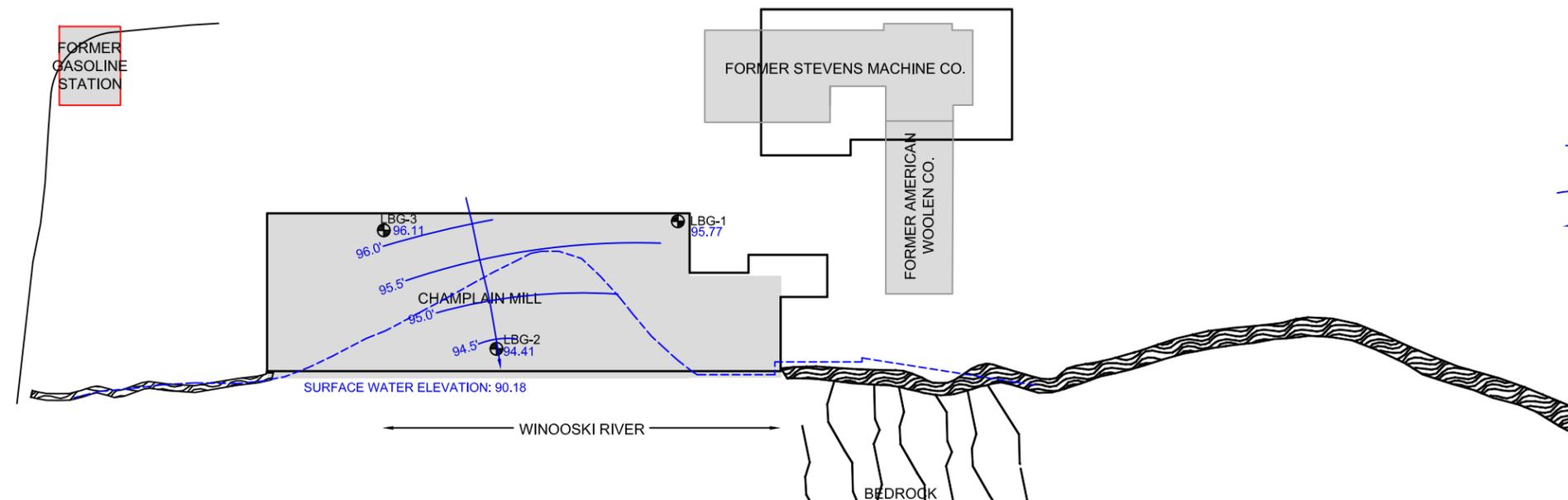
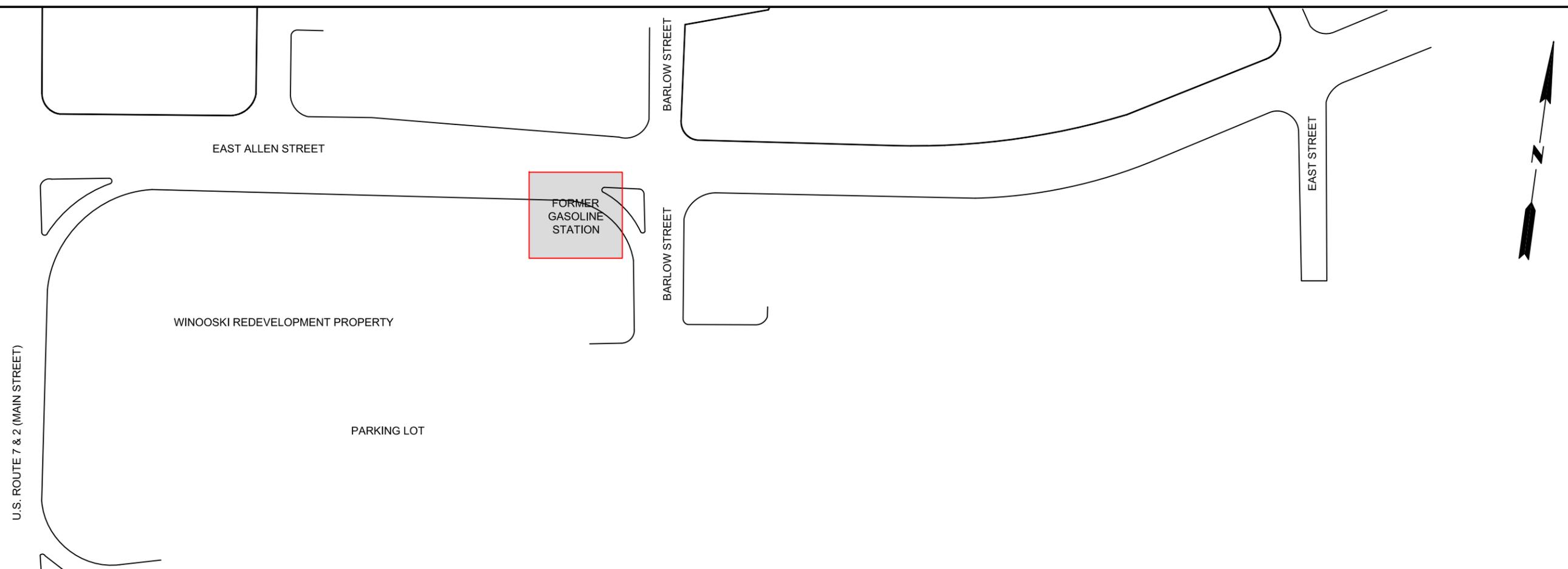
**CHAMPLAIN MILL
ONE MAIN STREET
WINOOSKI, VERMONT**

SITE PLAN



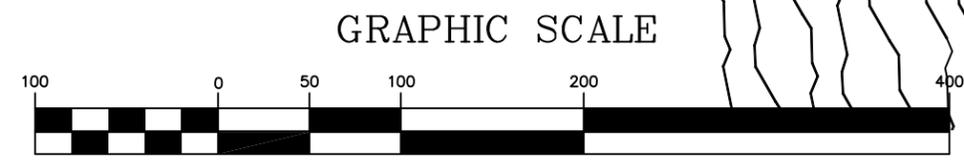
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NO.	DATE	DESCRIPTION	BY
1	1/31/07	PHASE II ASSESSMENT	DD



LEGEND

- BUILDING FOOTPRINT BASED ON A 1919 SANBORN MAP
- PROPERTY BOUNDARY BASED ON A 1919 SANBORN MAP
- + APPROXIMATE GROUNDWATER MONITOR WELL LOCATION
- FORMER PATH OF WINOOSKI RIVER BASED ON A 1884 SANBORN MAP
- 96.11 GROUNDWATER ELEVATION IN FEET BASED ON 1/17/07 DATA
- 96.0' GROUNDWATER CONTOUR IN FEET BASED ON 1/17/07 DATA
- GROUNDWATER FLOW DIRECTION BASED ON 1/17/07 DATA



REFERENCES:

1. PORTIONS OF THIS PLAN REFERENCE GREATWOOD MANAGEMENT COMPANY, LLC'S FEB. 2000 BEDROCK SURFACE ELEVATION PLAN & A 1919 SANBORN FIRE INSURANCE MAP.

**CHAMPLAIN MILL
ONE MAIN STREET
WINOOSKI, VERMONT**

**GROUNDWATER CONTOUR PLAN
JANUARY 17, 2007**



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NO.	DATE	DESCRIPTION	BY
1	1/31/07	PHASE II ASSESSMENT	DD

TABLES

**TABLE 1
GROUNDWATER TABLE ELEVATIONS**

Champlain Mill
One Main Street
Winooski, Vermont

January 17, 2007

Well Identification	Top of Casing Elevation (feet)	Total Depth of Well (feet)	Depth to Water (feet)	Water Table Elevation (feet)
LBG-1	97.39	3.75	1.62	95.77
LBG-2	99.65	7.81	5.24	94.41
LBG-3	99.47	4.89	3.36	96.11

- Notes: 1. Values are referenced to a TBM at 100 feet.
2. NL - not located; NM - not measured; ND - not detected.
3. Data recorded are referenced to the highest point of the well casing.
4. Depth to water and product measurements were obtained with a water level meter.

TABLES
SOIL ANALYTICAL RESULTS

Champlain Mill
One Main Street
Winooski, Vermont

January 10, 2007

TABLE 2

METALS

Sample Identification	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
LBG-1	<5.00	310	<0.500	29.3	250	7.83	<5.00	<0.500
LBG-2	<5.00	56.7	<0.500	10.8	30	0.4	<5.00	<0.500
LBG-3	<5.00	27.8	<0.500	6.47	<2.50	<0.020	<5.00	<0.500
Concentration in mg/Kg								
PRGs	1.60	67,000	450	450	800	310	5,100	5,100

TABLE 3

VOLATILE ORGANIC COMPOUNDS

Sample Identification	Trichloroethene	Naphthalene
LBG-1	29	120
LBG-2	230	20
LBG-3	<1	<1
Concentration in Ug/Kg		
PRGs	110	NE

Notes: 1. PRGs - US EPA Region 9 Preliminary Rediation Goals for industrial properties; bold and italicized values in heavily outlined cells exceed the PRGs.
2. NS - not sampled; Nt - not tested; ND - not detected above method detection limits; NE - PRG not established.

TABLES
GROUNDWATER ANALYTICAL RESULTS

Champlain Mill
One Main Street
Winooski, Vermont

January 17, 2007

TABLE 4

METALS

Sample Identification	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver*
LBG-1	<10	495	<5	<10	82	6	<50	21
LBG-2	<10	241	<5	<10	<15	<0.2	<50	<7
LBG-3	32	243	<5	22	64	<0.2	<50	<7
Concentration in ug/L								
VGES	50	2,000	5.0	100	15	2.0	50	100

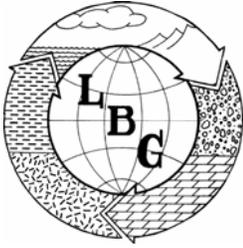
TABLE 5

VOLATILE ORGANIC COMPOUNDS

Sample Identification	Bromoform	Naphthalene
LBG-1	<1	3
LBG-2	<1	<1
LBG-3	<1	<1
DUP	<1	4
Field Blank	4	<1
Concentration in ug/L		
VGES	4.0	20

- Notes: 1. VGES - Vermont Groundwater Enforcement Standard; bold and italicized values in heavily outlined cells exceed the VGES.
 2. NS - not sampled; Nt - not tested; ND - not detected above method detection limits; NE - VGES not established.
 3. DUP - duplicate sample collected from LBG-1 for QA/QC; field blank sample collected for QA/QC.
 4. * Compared to secondary groundwater quality enforcement standard.

APPENDIX 2
GEOLOGIC LOGS



Leggette, Brashears & Graham, Inc.
 72 Helena Drive, Suite 140
 Williston, Vermont 05495
 www.lbgweb.com

OWNER: Champlain Mill

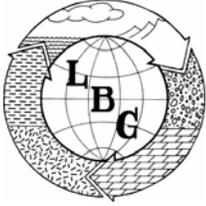
WELL NO.: LBG-1

GEOLOGIC LOG

PAGE: 1 of 1 PAGES

SITE LOCATION: Champlain Mill	SCREEN TYPE: PVC DIAMETER: 1"
	SLOT NO.: 0.010 SETTING: 10"-50"bfg
DATE COMPLETED: 1/10/07	SAND PACK SIZE: WG#0
	SETTING: 8"-50"bfg
DRILLING COMPANY: LBG	CASING TYPE: PVC DIAMETER: 1"
DRILLING METHOD: Geoprobe®	SETTING: 3"-10"bfg
SAMPLING METHOD: Soil Sample (Grab)	SEAL TYPE: Bentonite
OBSERVER: John Diego/ Spiros Zois	SETTING: 6"-8" bfg
REFERENCE POINT (RP): floor grade	BACKFILL TYPE: Sand
ELEVATION OF RP:	STATIC WATER LEVEL: DATE:
SURFACE COMPLETION: Flushmount 2" wellguard.	DEVELOPMENT METHOD:
	DURATION: ESTIMATED YIELD:
COMMENTS:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab bfg=below floor grade	

DEPTH (FEET)		SAMPLE TYPE	RECOVERY (feet)	PID	DESCRIPTION
FROM	TO				
0"	6"	N/A	6"	0	Concrete Slab
6"	54"	48" core barrel	24"	0	Fine Sand; with rounded f-c gravel; moist; dark brown.
54"	64"	48" core barrel	12"	0	Fine Sand, dark brown; with rounded f-m cobbles; some sub-angular f-m cobbles; saturated.
64"					EOB (refusal)
					19:15 Soil sample collected at top of ground water (~4 ft bfg)
					19:26 DTW: 1.82' bfg



Leggette, Brashears & Graham, Inc.
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 www.lbgweb.com

OWNER: Champlain Mill

WELL NO.: LBG-2

GEOLOGIC LOG

PAGE: 1 of 1 PAGES

SITE LOCATION: Champlain Mill	SCREEN TYPE: PVC DIAMETER: 1"
	SLOT NO.: 0.010 SETTING: 36"-96"bfg
DATE COMPLETED: 1/10/07	SAND PACK SIZE: WG#0
	SETTING: 11"-96"bfg
DRILLING COMPANY: LBG	CASING TYPE: PVC DIAMETER: 1"
DRILLING METHOD: Geoprobe®	SETTING: 3"-36"bfg
SAMPLING METHOD: Soil Sample (Grab)	SEAL TYPE: Bentonite
OBSERVER: John Diego/ Spiros Zois	SETTING: 9"-11" bfg
REFERENCE POINT (RP): floor grade	BACKFILL TYPE: Sand
ELEVATION OF RP:	STATIC WATER LEVEL: DATE:
SURFACE COMPLETION: Flushmount 2" wellguard.	DEVELOPMENT METHOD:
	DURATION: ESTIMATED YIELD:
COMMENTS:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab bfg=below floor grade	

DEPTH (FEET)		SAMPLE TYPE	RECOVERY (feet)	PID	DESCRIPTION
FROM	TO				
0"	9"	N/A	9"	0	0"-4" Newer Concrete pad 4"-9" Historic Concrete pad
9"	57"	48" core barrel	26"	0	Fill Material; fine sand with angular cobbles.
57"	105"	48" core barrel	30"	0	0"-8" Old fill material, brick and cinders; with fine sand, dark brown; dry. 8"-30" CLAY, grey; some f-c rounded gravel; little f-m rounded cobbles; little fine sand; saturated.
105"					EOB (Confining clay layer)
					23:13 Soil sample collected at clay/fill interface.
					23:30 Top of river determined to be ~8 ft bfg



Leggette, Brashears & Graham, Inc.
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 Williston, Vermont 05495
 www.lbgweb.com

OWNER: Champlain Mill

WELL NO.: LBG-3

GEOLOGIC LOG

PAGE: 1 of 1 **PAGES**

SITE LOCATION: Champlain Mill	SCREEN TYPE: PVC DIAMETER: 1"
	SLOT NO.: 0.010 SETTING: 15"-63"bfg
DATE COMPLETED: 1/10/07	SAND PACK SIZE: WG#0
	SETTING: 8"-63"bfg
DRILLING COMPANY: LBG	CASING TYPE: PVC DIAMETER: 1"
DRILLING METHOD: Geoprobe®	SETTING: 3"-15"bfg
SAMPLING METHOD: Soil Sample (Grab)	SEAL TYPE: Bentonite
OBSERVER: John Diego/ Spiros Zois	SETTING: 6"-8" bfg
REFERENCE POINT (RP): floor grade	BACKFILL TYPE: Sand
ELEVATION OF RP:	STATIC WATER LEVEL: DATE:
SURFACE COMPLETION: Flushmount 2" wellguard.	DEVELOPMENT METHOD:
	DURATION: ESTIMATED YIELD:
COMMENTS:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab bfg=below floor grade	

DEPTH (FEET)		SAMPLE TYPE	RECOVERY (feet)	PID	DESCRIPTION
FROM	TO				
0"	6"	N/A	6"	0	Concrete Slab
6"	54"	48" core barrel	24"	0	0"-8.5" Historic Red Brick flooring 8.5"-16" Fine Sand; with f-c rounded gravel; some f-m sub-rounded cobbles; little silt; dark brown; moist. 16"-24" Silt and Fine Sand, dark brown; with rounded f-c gravel; little sub-rounded f-m cobbles; saturated.
54"	66"	48" core barrel	12"	0	Silt, dark brown; with sub-angular to sub-rounded f-m cobbles; saturated.
66"					EOB (refusal)
					21:45 Soil sample collected at top of ground water.

APPENDIX 3
FIELD PARAMETER TABLE

FIELD PARAMETER TABLE

**Champlain Mill
One Main Street
Winooski, Vermont**

Date (M/D/Y)	Time (hh:mm:ss)	Temp °C	SpCond (mS/cm)	DO Conc (mg/L)	pH	pHmV (mV)	ORP mV	Site
1/17/2007	10:34:17	16.49	1.721	15.85	7.82	-55	-32	LBG-2
1/17/2007	10:39:17	16.26	3.318	1.65	7.33	-27.8	-91	LBG-2
1/17/2007	10:44:17	16.24	3.299	1.33	7.34	-28.1	-99	LBG-2
1/17/2007	10:49:17	16.24	3.285	1.22	7.35	-28.6	-109	LBG-2
1/17/2007	10:54:17	16.24	3.275	1.1	7.35	-29.1	-111	LBG-2
1/17/2007	10:59:17	16.24	3.266	1.07	7.36	-29.4	-112	LBG-2
1/17/2007	11:04:17	16.26	3.257	1.08	7.36	-29.5	-109	LBG-2
LBG-2 sample collected								
1/17/2007	11:24:18	16.25	3.252	1.27	7.36	-29.7	-113	LBG-2
1/17/2007	12:00:37	17.08	4.655	5.94	7.35	-28.8	-61	LBG-1
1/17/2007	12:05:37	17.35	4.028	0.67	7.24	-23.1	-135	LBG-1
1/17/2007	12:10:37	17.34	4.061	0.72	7.25	-23.6	-140	LBG-1
1/17/2007	12:15:37	17.34	4.025	0.8	7.25	-23.4	-137	LBG-1
1/17/2007	12:20:37	17.35	4.016	0.84	7.25	-23.6	-138	LBG-1
1/17/2007	12:25:37	17.34	4.028	0.87	7.26	-23.8	-139	LBG-1
1/17/2007	12:30:37	17.33	4.033	0.84	7.26	-23.9	-138	LBG-1
LBG-1 sample collected								
1/17/2007	12:36:36	17.09	4.117	0.88	7.25	-23.3	-136	LBG-1

Data collected with a YSI 556.

No data collected from LBG-3 due to insufficient water.

APPENDIX 4
LABORATORY REPORT



Leggette, Brashears, & Graham

Project Name: Champlain Mill
 Project #: 2006.champ.00
 Collection Site: Winooski, VT

Group #: 07010230
 Chain of Custody ID: 60128
 Date Sampled: 01/10/07

METHOD #	ANALYTE	RESULTS	UNIT OF MEASURE	DATE COMPLETED	DETECTION LIMIT (PQL)	ANALYST
Sample#: 07010230-01						
Leggette, Brashears, & Graham ID: LBG-1/3 (initials)						
Matrix: Solid						
% Solids		90.2	%	1/25/2007	0 %	LH
Digestion Hot Plate		N/A	N/A	1/18/2007	N/A	VP
SW 6010B Arsenic		<5.00	mg/Kg	1/18/2007	5.00 mg/Kg	HB
SW 6010B Barium		27.8	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Cadmium		<0.500	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Chromium		6.47	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Lead		<2.50	mg/Kg	1/18/2007	2.50 mg/Kg	HB
SW 6010B Selenium		<5.00	mg/Kg	1/18/2007	5.00 mg/Kg	HB
SW 6010B Silver		<0.500	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 7471 Mercury		<0.020	mg/Kg	1/23/2007	0.020 mg/Kg	HB
TOC (ASTM D2974-87)		0.97	%	1/25/2007	0 %	LH
Sample#: 07010230-02						
Leggette, Brashears, & Graham ID: LBG-2						
Matrix: Solid						
% Solids		87	%	1/25/2007	0 %	LH
Digestion Hot Plate		N/A	N/A	1/18/2007	N/A	VP
SW 6010B Arsenic		<5.00	mg/Kg	1/18/2007	5.00 mg/Kg	HB
SW 6010B Barium		56.7	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Cadmium		<0.500	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Chromium		10.8	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Lead		30	mg/Kg	1/18/2007	2.50 mg/Kg	HB
SW 6010B Selenium		<5.00	mg/Kg	1/18/2007	5.00 mg/Kg	HB
SW 6010B Silver		<0.500	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 7471 Mercury		0.4	mg/Kg	1/23/2007	0.020 mg/Kg	HB
TOC (ASTM D2974-87)		2.08	%	1/25/2007	0 %	LH
Sample#: 07010230-03						
Leggette, Brashears, & Graham ID: LBG-3/1 (initials)						
Matrix: Solid						
% Solids		83.5	%	1/25/2007	0 %	LH
Digestion Hot Plate		N/A	N/A	1/18/2007	N/A	VP
SW 6010B Arsenic		<5.00	mg/Kg	1/18/2007	5.00 mg/Kg	HB
SW 6010B Barium		310	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Cadmium		<0.500	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Chromium		29.3	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 6010B Lead		250	mg/Kg	1/18/2007	2.50 mg/Kg	HB
SW 6010B Selenium		<5.00	mg/Kg	1/18/2007	5.00 mg/Kg	HB
SW 6010B Silver		<0.500	mg/Kg	1/18/2007	0.500 mg/Kg	HB
SW 7471 Mercury		7.83	mg/Kg	1/23/2007	0.50 mg/Kg	HB
TOC (ASTM D2974-87)		3.68	%	1/25/2007	0 %	LH

Results reported in dry weight.

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

CUSTOMER: LBG Inc.

JOB NAME: Champlain Mill

SAMPLE IDENTITY: LBG-1/3 

DATE SAMPLED: 01/10/07

JOB #: 2006.champ1.00

DATE REC'D: 01/16/07
MATRIX: SOLID

LAB#: 07010230-01

LOCATION: Winooski Vt

CONTROL#: 60128

DATE ANALYZED: 01/23/07
% TOTAL SOLIDS: 87.2

COMPOUND	CONCENTRATION BASED ON DRY WEIGHT (UG/KG)	DETECTION LIMIT MULTIPLIER: PQL BASED ON DRY WEIGHT (UG/KG) X 14.7
BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,3-DICHLOROETHANE	BDL	1
1,4-DICHLOROETHANE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	1
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	5
1,1,1,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1
	BDL	1

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

CUSTOMER: LBG Inc.

JOB NAME: Champlain Mill

SAMPLE IDENTITY: LBG-1/3 (dd)

DATE SAMPLED: 01/10/07

LAB#: 07010230-01

LOCATION: Winooski Vt

CONTROL#: 60128

DATE REC'D: 01/16/07
MATRIX: SOLID
CONCENTRATION
BASED ON DRY WEIGHT
(UG/KG)

DATE ANALYZED: 01/23/07
% TOTAL SOLIDS: 87.2
DETECTION LIMIT MULTIPLIER:
PQL BASED ON DRY WEIGHT
(UG/KG) X 14.7

COMPOUND	CONCENTRATION (UG/KG)	PQL (UG/KG) X 14.7
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	BDL	1
TRICHLOROFLUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	BDL	1
ACRYLONITRILE	BDL	1
HEXACHLOROBUTADIENE	BDL	50
TETRAHYDROFURAN	BDL	1
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	5
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	25
2-CHLOROETHYL VINYL ETHER	BDL	50
ACROLEIN	BDL	20
2-METHOXY-2-METHYLBUTANE (TAM)	BDL	50
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	1

SURROGATE
DIBROMOFLUOROMETHANE
TOLUENE-D8
4-BROMOFLUOROBENZENE

PERCENT RECOVERY
115%
101%
96%

ACCEPTANCE LIMITS
65-125%
65-125%
65-125%

NOTE: NON-TARGET COMPOUNDS ABSENT
NOTE: SAMPLE RECEIVED IN NON-METHOD SPECIFIED CONTAINER.
NOTE: SAMPLES RECEIVED UNPRESERVED

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

CUSTOMER: LBG Inc.

JOB NAME: Champlain Mill

SAMPLE IDENTITY: LBG-2

DATE SAMPLED: 01/10/07

JOB #: 2006.champ1.00

DATE REC'D: 01/16/07
MATRIX: SOLID

LAB#: 07010230-02

LOCATION: Winooski Vt

CONTROL#: 60128

DATE ANALYZED: 01/23/07
% TOTAL SOLIDS: 82.8

COMPOUND

CONCENTRATION
BASED ON DRY WEIGHT
(UG/KG)

DETECTION LIMIT MULTIPLIER:
PQL BASED ON DRY WEIGHT
(UG/KG) X 17.9

BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	1
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	5
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1
		1

CUSTOMER: LBG Inc.

JOB NAME: Champlain Mill

SAMPLE IDENTITY: LBG-2

DATE SAMPLED: 01/10/07

LAB#: 07010230-02

LOCATION: Winooski Vt

CONTROL#: 60128

COMPOUND

DATE REC'D: 01/16/07
MATRIX: SOLID
CONCENTRATION
BASED ON DRY WEIGHT
(UG/KG)

DATE ANALYZED: 01/23/07
% TOTAL SOLIDS: 82.8
DETECTION LIMIT MULTIPLIER:
PQL BASED ON DRY WEIGHT
(UG/KG) X 17.9

1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	230	1
TRICHLOROFLUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	BDL	1
ACRYLONITRILE	20	1
HEXACHLOROBUTADIENE	BDL	1
TETRAHYDROFURAN	BDL	50
DIETHYL ETHER	BDL	1
2-HEXANONE	BDL	5
4-METHYL-2-PENTANONE	BDL	5
2-BUTANONE	BDL	25
ACETONE	BDL	25
2-CHLOROETHYL VINYL ETHER	BDL	25
ACROLEIN	BDL	50
2-METHOXY-2-METHYLBUTANE (TAM)	BDL	20
ETHYL TERTIARY-BUTYL ETHER	BDL	50
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	1
	BDL	1
		20

SURROGATE

DIBROMOFLUOROMETHANE
TOLUENE-D8
4-BROMOFLUOROBENZENE

PERCENT RECOVERY

112%
102%
100%

ACCEPTANCE LIMITS

65-125%
65-125%
65-125%

NOTE: NON-TARGET COMPOUNDS ABSENT
NOTE: SAMPLE RECEIVED IN NON-METHOD SPECIFIED CONTAINER.
NOTE: SAMPLES RECEIVED UNPRESERVED

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

CUSTOMER: LBG Inc.

JOB NAME: Champlain Mill

SAMPLE IDENTITY: LBG-3/1 

DATE SAMPLED: 01/10/07

JOB #: 2006.champl.00

DATE REC'D: 01/16/07
MATRIX: SOLID

LAB#: 07010230-03

LOCATION: Winooski Vt

CONTROL#: 60128

DATE ANALYZED: 01/23/07
% TOTAL SOLIDS: 80.6

COMPOUND

CONCENTRATION
BASED ON DRY WEIGHT
(UG/KG)

DETECTION LIMIT MULTIPLIER:
PQL BASED ON DRY WEIGHT
(UG/KG) X 19.1

BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	1
STYRENE	BDL	5
1,1,1,2-TETRACHLOROETHANE	BDL	1
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1
	BDL	1

CUSTOMER: LBG Inc.

JOB NAME: Champlain Mill

SAMPLE IDENTITY: LBG-3 | 

DATE SAMPLED: 01/10/07

LAB#: 07010230-03

LOCATION: Winooski Vt

CONTROL#: 60128

DATE REC'D: 01/16/07
MATRIX: SOLID
CONCENTRATION
BASED ON DRY WEIGHT
(UG/KG)

DATE ANALYZED: 01/23/07
% TOTAL SOLIDS: 80.6
DETECTION LIMIT MULTIPLIER:
PQL BASED ON DRY WEIGHT
(UG/KG) X 19.1

COMPOUND	CONCENTRATION (UG/KG)	PQL BASED ON DRY WEIGHT (UG/KG) X 19.1
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	29	1
TRICHLOROFLUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	BDL	1
ACRYLONITRILE	120	1
HEXACHLOROBUTADIENE	BDL	50
TETRAHYDROFURAN	BDL	1
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	5
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	25
2-CHLOROETHYL VINYL ETHER	BDL	50
ACROLEIN	BDL	20
2-METHOXY-2-METHYLBUTANE (TAM	BDL	50
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	1
		20

SURROGATE
DIBROMOFLUOROMETHANE
TOLUENE-D8
4-BROMOFLUOROBENZENE

PERCENT RECOVERY
115%
105%
97%

ACCEPTANCE LIMITS
65-125%
65-125%
65-125%

NOTE: NON-TARGET COMPOUNDS ABSENT
NOTE: SAMPLE RECEIVED IN NON-METHOD SPECIFIED CONTAINER.
NOTE: SAMPLES RECEIVED UNPRESERVED

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

Chemserve

VOA SPIKE RECOVERY FORM
EPA METHOD 8260B

CUSTOMER: LBG Inc.

JOB NAME: Champlain Mill

SAMPLE IDENTITY: Control Spikes 01/23/07

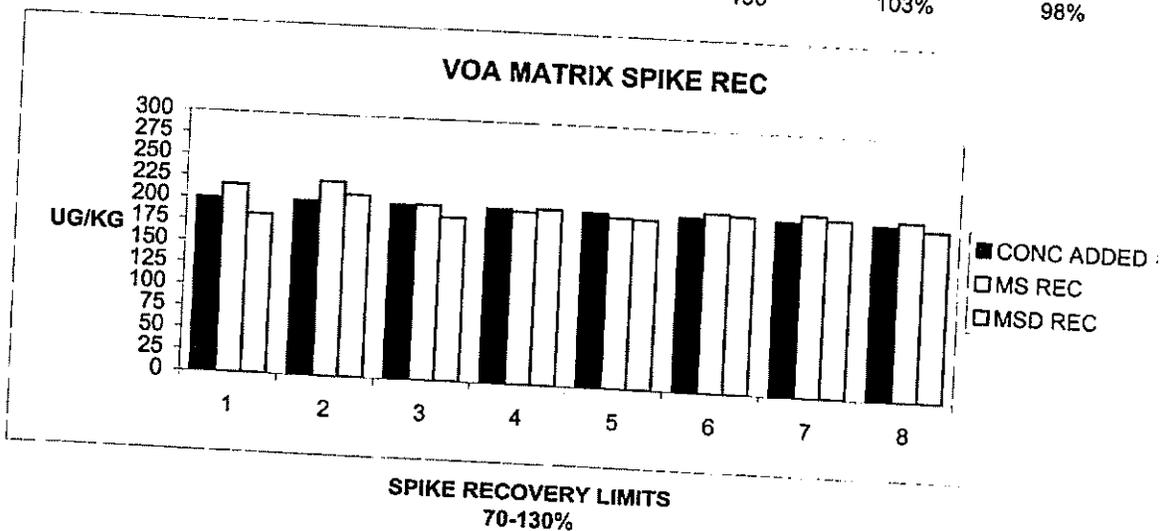
LAB#: 07010230-01

LOCATION: Winooski Vt

CONTROL#: 60128

DATE ANALYZED: 01/23/07

COMPOUND	CONC ADDED (UG/KG)	AMT REC (UG/KG)	DUP AMT REC (UG/KG)	%REC	DUP % REC	%RPD
1,1-DICHLOROETHENE	200	216	183	108%	92%	17%
BENZENE	200	223	209	112%	105%	6%
TRICHLOROETHENE	200	201	188	101%	94%	7%
TOLUENE	200	198	202	99%	101%	2%
CHLOROBENZENE	200	196	195	98%	98%	1%
1,2-DICHLOROBENZENE	200	206	204	103%	102%	1%
1,3,5-TRIMETHYLBENZENE	200	209	204	105%	102%	2%
1,2,4-TRICHLOROBENZENE	200	205	196	103%	98%	4%





RECEIVED
JAN 25 2007

Leggette, Brashears, & Graham

Project Name: Champlain Mill
Project #: 2006.champ.00
Collection Site: Winooski, VT

BY:

Group #: 07010263
Chain of Custody ID: 63687
Date Sampled: 01/17/07

METHOD #	ANALYTE	RESULTS	UNIT OF MEASURE	DATE COMPLETED	DETECTION LIMIT (PQL)	ANALYST
Sample#: 07010263-01		Matrix: Groundwater				
Leggette, Brashears, & Graham ID: LBG-1						
	Digestion Hot Plate	N/A	N/A	1/23/2007	N/A	VP
	SW 6010B Arsenic	<0.010	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Barium	0.495	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Cadmium	<0.005	mg/L	1/23/2007	0.005 mg/L	HB
	SW 6010B Chromium	<0.010	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Lead	0.082	mg/L	1/23/2007	0.015 mg/L	HB
	SW 6010B Selenium	<0.050	mg/L	1/24/2007	0.050 mg/L	HB
	SW 6010B Silver	0.021	mg/L	1/24/2007	0.007 mg/L	HB
	SW 7470 Mercury	0.006	mg/L	1/23/2007	0.0002 mg/L	HB
Sample#: 07010263-02		Matrix: Groundwater				
Leggette, Brashears, & Graham ID: LBG-2						
	Digestion Hot Plate	N/A	N/A	1/23/2007	N/A	VP
	SW 6010B Arsenic	<0.010	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Barium	0.241	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Cadmium	<0.005	mg/L	1/23/2007	0.005 mg/L	HB
	SW 6010B Chromium	<0.010	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Lead	<0.015	mg/L	1/23/2007	0.015 mg/L	HB
	SW 6010B Selenium	<0.050	mg/L	1/24/2007	0.050 mg/L	HB
	SW 6010B Silver	<0.007	mg/L	1/23/2007	0.007 mg/L	HB
	SW 7470 Mercury	<0.0002	mg/L	1/23/2007	0.0002 mg/L	HB
Sample#: 07010263-03		Matrix: Groundwater				
Leggette, Brashears, & Graham ID: LBG-3						
	Digestion Hot Plate	N/A	N/A	1/23/2007	N/A	VP
	SW 6010B Arsenic	0.032	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Barium	0.243	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Cadmium	<0.005	mg/L	1/23/2007	0.005 mg/L	HB
	SW 6010B Chromium	0.022	mg/L	1/23/2007	0.010 mg/L	HB
	SW 6010B Lead	0.064	mg/L	1/23/2007	0.015 mg/L	HB
	SW 6010B Selenium	<0.050	mg/L	1/24/2007	0.050 mg/L	HB
	SW 6010B Silver	<0.007	mg/L	1/24/2007	0.007 mg/L	HB
	SW 7470 Mercury	<0.0002	mg/L	1/23/2007	0.0002 mg/L	HB

Chemserve

**VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B**

CUSTOMER: LBG

LAB#: 07010263-01

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: LBG-1

JOB #: 2006.Champl.00

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND

**CONCENTRATION
(UG/L)**

**DETECTION LIMIT BASED ON PQL
DETECTION LIMIT MULTIPLIER:
(UG/L) X 1**

BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	5
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	1
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1

CONTINUED: 1 OF 2 PAGES

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VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

2 OF 2 PAGES

CUSTOMER: LBG

LAB#: 07010263-01

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: LBG-1

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	BDL	1
TRICHLOROFUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	3	1
ACRYLONITRILE	BDL	50
HEXACHLOROBUTADIENE	BDL	1
TETRAHYDROFURAN	BDL	5
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	25
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	50
2-CHLOROETHYL VINYL ETHER	BDL	20
ACROLEIN	BDL	50
2-METHOXY-2-METHYLBUTANE (TAM	BDL	1
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	20
SURROGATE	PERCENT RECOVERY	ACCEPTANCE LIMITS
DIBROMOFLUOROMETHANE	100%	65-125%
TOLUENE-D8	100%	65-125%
4-BROMOFLUOROBENZENE	106%	65-125%

NOTE: NON-TARGET COMPOUNDS ABSENT

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

Chemserve**VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B**

CUSTOMER: LBG

LAB#: 07010263-02

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: LBG-2

JOB #: 2006.Champl.00

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	5
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	1
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1

CONTINUED: 1 OF 2 PAGES

Chemsolve

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

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CUSTOMER: LBG

LAB#: 07010263-02

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: LBG-2

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	BDL	1
TRICHLOROFUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	BDL	1
ACRYLONITRILE	BDL	50
HEXACHLOROBUTADIENE	BDL	1
TETRAHYDROFURAN	BDL	5
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	25
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	50
2-CHLOROETHYL VINYL ETHER	BDL	20
ACROLEIN	BDL	50
2-METHOXY-2-METHYLBUTANE (TAM	BDL	1
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	20
SURROGATE	PERCENT RECOVERY	ACCEPTANCE LIMITS
DIBROMOFLUOROMETHANE	98%	65-125%
TOLUENE-D8	101%	65-125%
4-BROMOFLUOROBENZENE	105%	65-125%

NOTE: NON-TARGET COMPOUNDS ABSENT

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

Chemserve**VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B**

CUSTOMER: LBG

LAB#: 07010263-03

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: LBG-3

JOB #: 2006.ChAMPL.00

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	5
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	1
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1

CONTINUED: 1 OF 2 PAGES

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VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

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CUSTOMER: LBG

LAB#: 07010263-03

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: LBG-3

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	BDL	1
TRICHLOROFLUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	BDL	1
ACRYLONITRILE	BDL	50
HEXACHLOROBUTADIENE	BDL	1
TETRAHYDROFURAN	BDL	5
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	25
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	50
2-CHLOROETHYL VINYL ETHER	BDL	20
ACROLEIN	BDL	50
2-METHOXY-2-METHYLBUTANE (TAM)	BDL	1
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	20
SURROGATE	PERCENT RECOVERY	ACCEPTANCE LIMITS
DIBROMOFLUOROMETHANE	97%	65-125%
TOLUENE-D8	99%	65-125%
4-BROMOFLUOROBENZENE	105%	65-125%

NOTE: NON-TARGET COMPOUNDS ABSENT

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

Chemserve

**VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B**

CUSTOMER: LBG

LAB#: 07010263-04

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: Dup.

JOB #: 2006.Champl.00

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	5
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	1
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1

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Chemsolve

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

2 OF 2 PAGES

CUSTOMER: LBG

LAB#: 07010263-04

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: Dup.

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	BDL	1
TRICHLOROFUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	4	1
ACRYLONITRILE	BDL	50
HEXACHLOROBUTADIENE	BDL	1
TETRAHYDROFURAN	BDL	5
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	25
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	50
2-CHLOROETHYL VINYL ETHER	BDL	20
ACROLEIN	BDL	50
2-METHOXY-2-METHYLBUTANE (TAM)	BDL	1
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	20
SURROGATE	PERCENT RECOVERY	ACCEPTANCE LIMITS
DIBROMOFLUOROMETHANE	100%	65-125%
TOLUENE-D8	98%	65-125%
4-BROMOFLUOROBENZENE	105%	65-125%

NOTE: NON-TARGET COMPOUNDS PRESENT

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

Chemserve**VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B**

CUSTOMER: LBG

LAB#: 07010263-05

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: Field Blank

JOB #: 2006.Champl.00

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	3	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	5
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	1
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1

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Chemsolve

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B

2 OF 2 PAGES

CUSTOMER: LBG

LAB#: 07010263-05

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: Field Blank

CONTROL#: 63687

DATE SAMPLED: 01/17/07

DATE REC'D: 01/18/07

DATE ANALYZED: 01/19/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	BDL	1
TRICHLOROFLUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
O-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	BDL	1
ACRYLONITRILE	BDL	50
HEXACHLOROBUTADIENE	BDL	1
TETRAHYDROFURAN	BDL	5
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	25
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	50
2-CHLOROETHYL VINYL ETHER	BDL	20
ACROLEIN	BDL	50
2-METHOXY-2-METHYLBUTANE (TAM	BDL	1
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	20
SURROGATE	PERCENT RECOVERY	ACCEPTANCE LIMITS
DIBROMOFLUOROMETHANE	98%	65-125%
TOLUENE-D8	101%	65-125%
4-BROMOFLUOROBENZENE	106%	65-125%

NOTE: NON-TARGET COMPOUNDS ABSENT

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

Chemserve

VOA SPIKE RECOVERY FORM
EPA METHOD 8260B

CUSTOMER: LBG

LAB#: 07010263

JOB NAME: Champlain Mill

LOCATION: Winooski, VT

SAMPLE IDENTITY: Matrix Spikes 07010162-03

CONTROL#: 63687

DATE ANALYZED: 01/19/07

COMPOUND	CONC ADDED (UG/L)	AMT REC (UG/L)	DUP AMT REC (UG/L)	%REC	DUP % REC	%RPD
1,1-DICHLOROETHENE	20	20	18	100%	90%	11%
BENZENE	20	21	19	105%	95%	10%
TRICHLOROETHENE	20	20	19	100%	95%	5%
TOLUENE	20	20	18	100%	90%	11%
CHLOROBENZENE	20	20	18	100%	90%	11%
1,2-DICHLOROBENZENE	20	20	18	100%	90%	11%
1,3,5-TRIMETHYLBENZENE	20	21	19	105%	95%	10%
1,2,4-TRICHLOROBENZENE	20	20	18	100%	90%	11%

