

# 94-1737

HAZARDOUS MATERIALS  
MANAGEMENT DIVISION

JAN 31 10 19 AM '95

January 30, 1995

Matthew Moran, Site Manager  
Sites Management Section  
VT DEC - HMMD  
103 South Main Street/West Building  
Waterbury, VT 05671-0404

Re: Sketchley Services UST Site Investigation,  
Burlington, Facility ID #675

Dear Mr. Moran:

The purpose of this letter is to inform you of site activities at the Sketchley Services UST site in Burlington, Vermont (site maps enclosed). On behalf of S.B. Collins, Inc., we performed a site assessment for the closure of two USTs at the site, which is located in the Ethan Allen Shopping Center in Burlington. The USTs had been out-of-service and were most recently utilized by Sketchley Services, Inc. The ownership of the USTs is in dispute, although S.B. Collins has taken responsibility to remove the USTs and proceed with a site investigation. Our site assessment report (dated December 20, 1994) was forwarded to your office by S.B. Collins. We also submitted a site investigation expressway notification form to your office, with an estimated date of completion of March 1, 1995.

Groundwater samples were collected during the UST closures from three existing monitoring wells. BTEX constituents and MTBE were detected in the 100 to 1000  $\mu\text{g/L}$  range in monitoring well MW-2, and the laboratory also indicated that tetrachloroethene, trichloroethene, and 1,2-dichloroethene were present in all three of the monitoring wells. The laboratory results were faxed to you on January 6, 1995.

Hoffer & Associates  
Consulting Hydrogeologists

(802) 244 - 5573  
P.O. Box 428, Waterbury, Vermont 05676

Since that time, we have surveyed the well elevations and performed a round of groundwater monitoring. The analytical results and a groundwater elevation contour map are enclosed. BTEX constituents and MTBE were detected in MW-2 at the following concentrations:

*MW-2, Sampled January 4, 1994*

<u>Constituent</u>	<u>Concentration (<math>\mu\text{g/L}</math>)</u>
MTBE	5330
Benzene	5930
Toluene	15600
Ethylbenzene	1980
Xylenes	12400

MTBE was also detected in MW-3 at a concentration of 1  $\mu\text{g/L}$  (the laboratory also reported that trichloroethene, tetrachloroethene, and 1,2-dichloroethene were present in all three of the monitoring wells).

Groundwater elevations define a south southeastward flow direction. Due to the relatively high concentrations of BTEX constituents and MTBE in MW-2, which is the furthest downgradient well, we plan to install additional groundwater wells to define the extent of contamination. Proposed well locations are shown on the enclosed Figure 4. Well locations may have to be modified based on the presence of utilities or other constraints posed at the site.

We are preparing a work scope and cost estimate for S.B. Collins and anticipate drilling additional monitoring wells in the next few weeks, weather permitting. Assuming that we are able to install and sample additional monitoring wells by the end of February, we anticipate sending you a site investigation report by mid to late March. Meanwhile, if you have questions or comments, or would like to review our work scope and cost estimate, please call us.

Sincerely,



Jefferson P. Hoffer  
Principal Hydrogeologist

enc.

cc: Carl Ruprecht, S.B. Collins

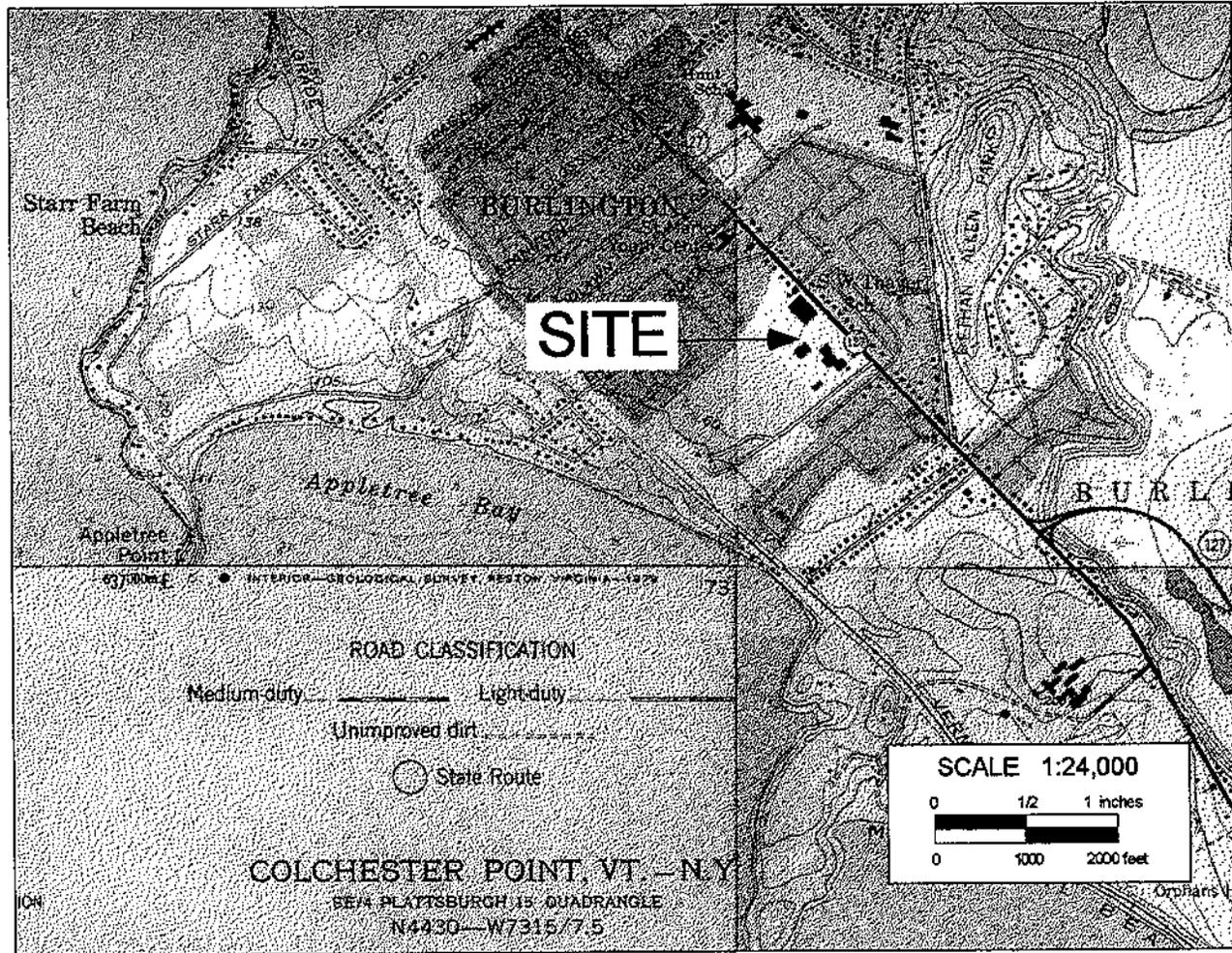
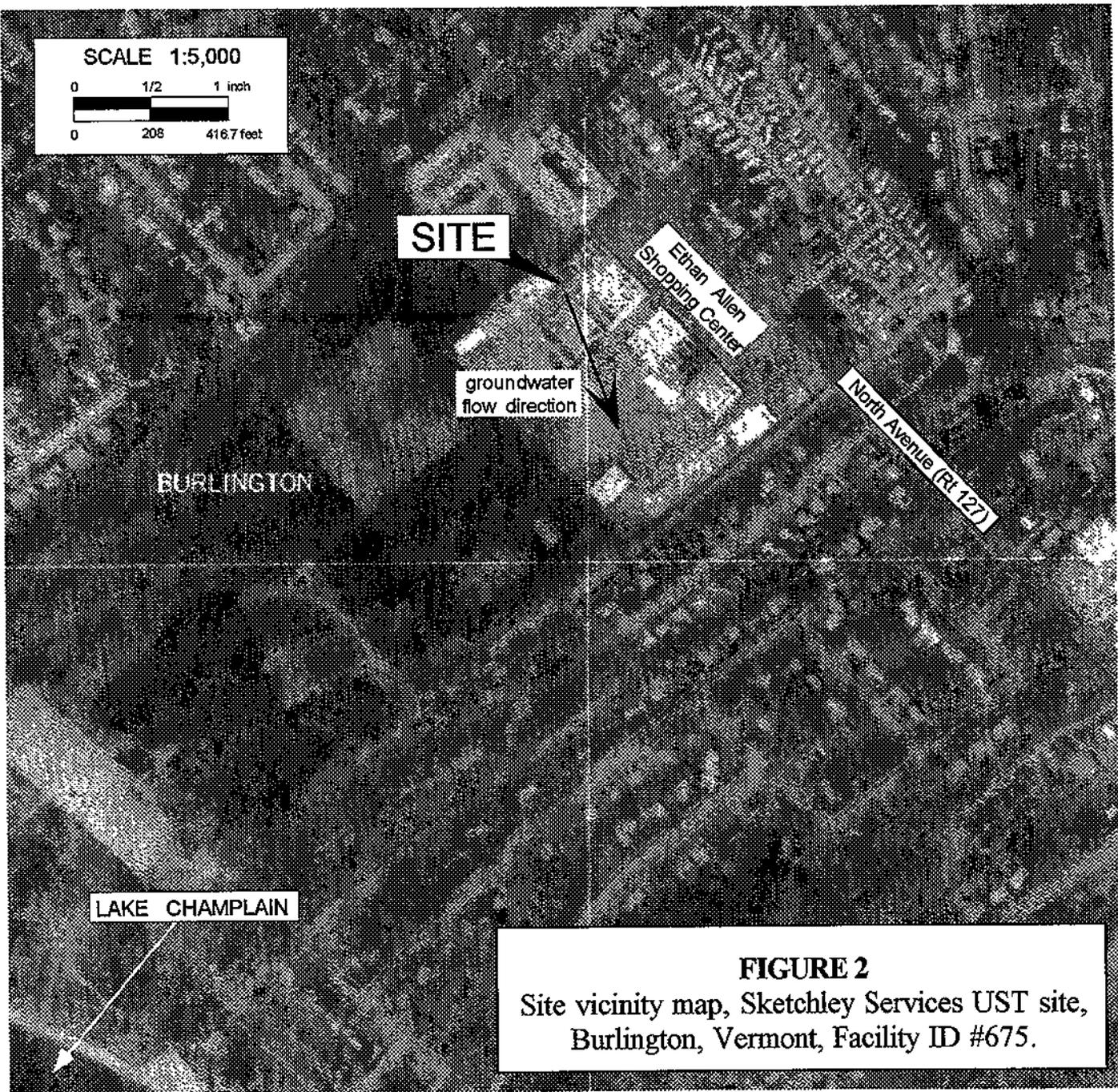
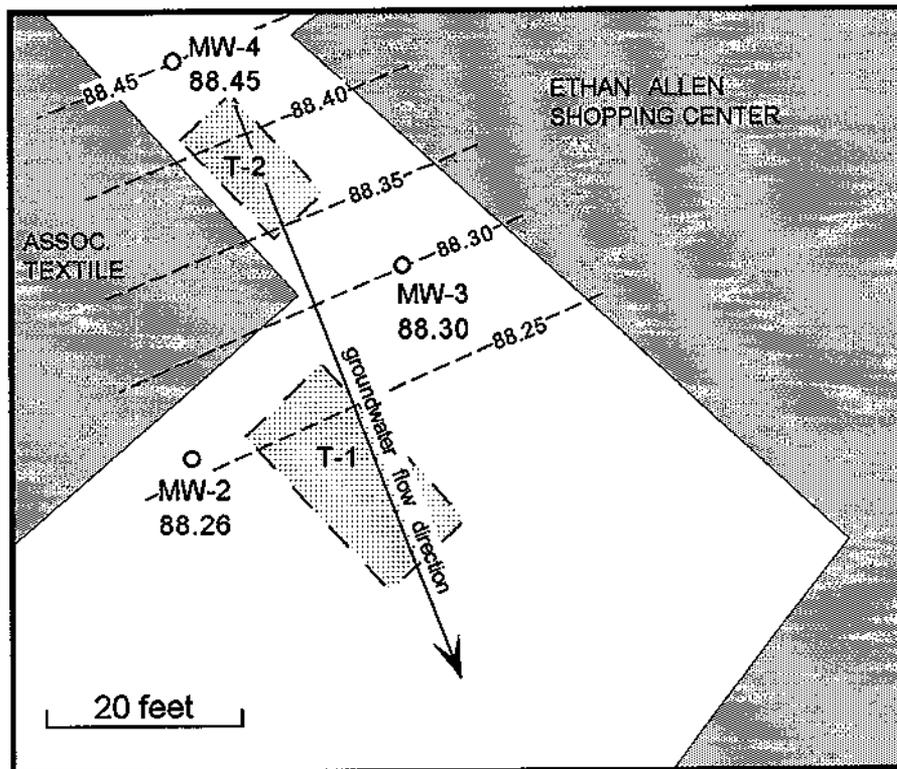
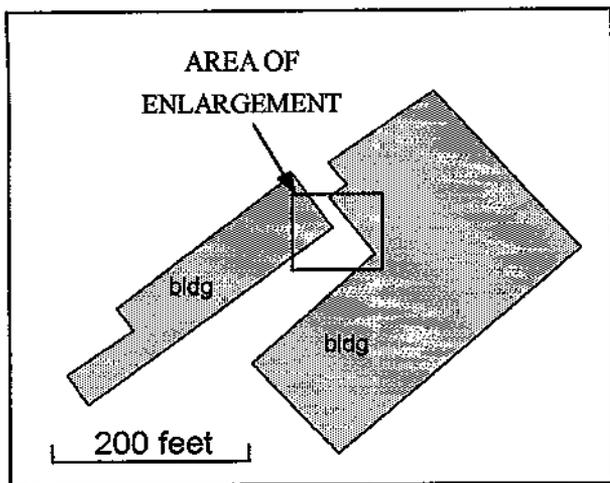


FIGURE 1  
Site location map, Sketchley Services UST site,  
Burlington, Vermont, Facility ID #675.

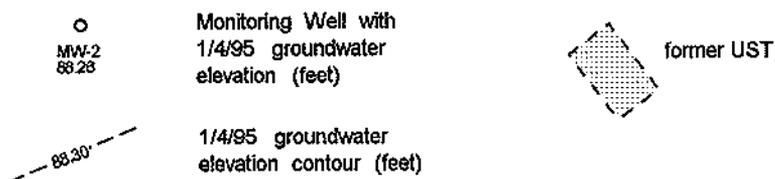
BASE: Vermont Mapping Program, Burlington Interval, Series 5000, 1988



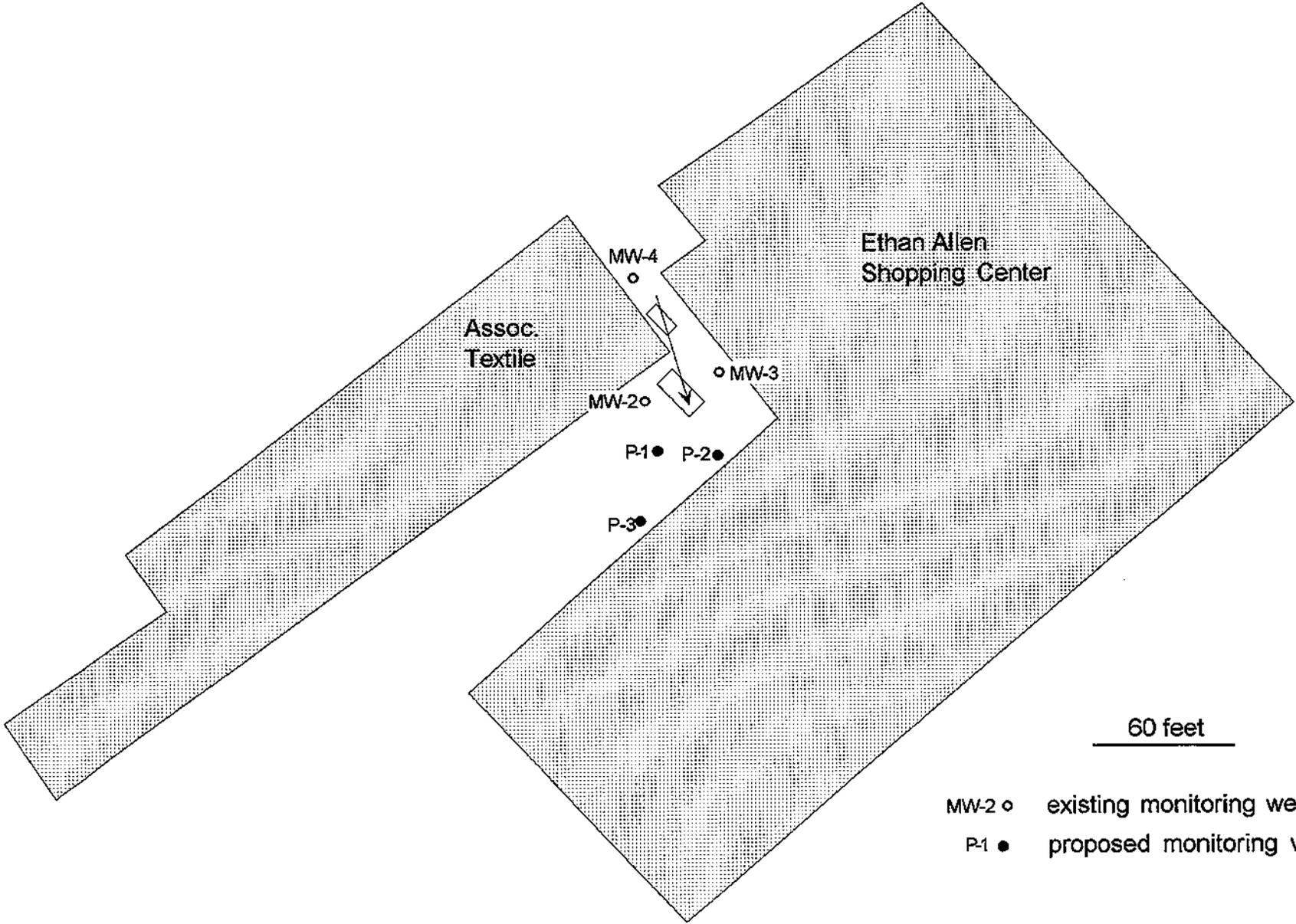
**FIGURE 2**  
Site vicinity map, Sketchley Services UST site,  
Burlington, Vermont, Facility ID #675.



NOTE: Elevations relative to on-site benchmark of 100.00 feet



**FIGURE 3**  
Site map and groundwater contours,  
Sketchley Services UST Site,  
Burlington, Vermont, Facility ID #675.



**FIGURE 4**  
Proposed well locations, Sketchley Services UST site, Burlington, Vermont, Facility ID #675.

**TABLE 1**

Groundwater elevations and analytical results for BTEX constituents and MTBE,  
Sketchley Services UST Site, Burlington, Vermont, Facility ID #675.

**GROUNDWATER ELEVATIONS**

Well ID	Elevation of Top of Casing (feet*)	1/4/1995	
		Depth to Water from TOC (feet)	Groundwater Elevation (feet*)
MW-2	97.13	8.87	88.26
MW-3	97.28	8.98	88.30
MW-4	97.36	8.91	88.45

\*Relative to arbitrary on-site benchmark of 100.00 feet

Sampling Date: 1/4/1995  
**ANALYTICAL RESULTS (µg/L)**

Well ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MW-2	5930	15600	1980	12400	5330
MW-3	<1	<1	<1	<1	1
MW-4	<1	<1	<1	<1	<1
Trip Blank	<1	<1	<1	<1	<1
Field Blank	<1	<1	<1	<1	<1

<1 = less than a detection limit of 1

Laboratory Note: Additional peaks were found in MW-4, MW-3, and MW-2 including tetrachloroethene, trichloroethene, and 1,2-dichloroethene.



P.O. Box 339  
Randolph, Vermont 05060-0339  
(802) 728-6313

### LABORATORY REPORT

CLIENT: SB Collins, Inc.  
ADDRESS: 54 Lower Welden St.  
St. Albans, VT 05478

SITE: Sketchley Services  
ATTENTION: Carl Ruprecht

LABORATORY NO: 5-0026  
PROJECT NO: 70249  
DATE OF SAMPLE: 1/04/95  
DATE OF RECEIPT: 1/05/95  
DATE OF ANALYSIS: 1/14/95  
DATE OF REPORT: 1/25/95

Results  
(Results expressed in micrograms per liter (ug/L))

PARAMETER	MW-4	MW-3	MW-2	Field Blank	Trip Blank
Methyl Tertiary Butyl Ether	< 4	1	5330	BPQL	BPQL
Benzene	< 4	BPQL	5930	BPQL	BPQL
Toluene	< 4	BPQL	15600	BPQL	BPQL
Ethylbenzene	< 4	BPQL	1980	BPQL	BPQL
Total Xylenes	< 4	BPQL	12400	BPQL	BPQL
Chlorobenzene	< 4	BPQL	BPQL	BPQL	BPQL
1,2-Dichlorobenzene	< 4	BPQL	BPQL	BPQL	BPQL
1,3-Dichlorobenzene	< 4	BPQL	BPQL	BPQL	BPQL
1,4-Dichlorobenzene	< 4	BPQL	BPQL	BPQL	BPQL

EPA Method 8020

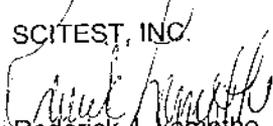
BPQL = Below Practical Quantitation Limit, 1 ppb

Note: Additional peaks were found in MW-4, MW-3, and MW-2 including tetrachloroethene, trichloroethene and 1,2-Dichloroethene.

c: Hoffer & Associates

Respectfully submitted,

SCITEST, INC.

  
Roderick J. Lamotte  
Laboratory Director



BILLED TO: CARL KUPPENT, WI  
 SB COLLINS, INC  
 5400 WELDEN ST.  
 ST ALBANS VT 05478

COPY OF RESULTS TO: HILBERT HILLS  
 (BELOW)

**Scitest, Inc.**

P.O. Box 339  
 Route 66 Professional Center, Randolph, VT 05060  
 Phone: (802)728-6313 Fax: (802)728-6044

Client: Jeff Hoffer	Address: P.O. Box 428	Project # 70249	Additional Comments or Directions: [REDACTED]
Contact: Jeff Hoffer	Waterbury, VT 05676	Phone No: *	
	Date requested: 12/28/94	Requested by: JH/KED	
Project Name: Sketchley Services	Date shipped: Pick Up		
	Date scheduled:		

CHAIN OF CUSTODY RECORD				DATE	TIME
Sampled By: * <i>Timothy Dewey</i>	DATE	TIME	Relinquished By: <i>Timothy Dewey</i>	1/4/95	
Accepted By:			Relinquished By: *	*	*
Accepted By:			Received by Scitest: <i>Kathleen Duga</i>	1/05/95	9:25a

Item Nos	Client ID or Description	Sampling Date	Sampling Time	Matrix	Preservative or Label	Bottle Type <small>Plastic/Glass</small>	Container Volume	Bottles per Sample	Parameters and Expiration Time 7 days
1	MW-4	1/4/94	1255	GW	HCl	G	40 mL	2	EPA 8020
2	MW-3	↓	1315	GW	HCl	G	40 mL	2	EPA 8020
3	MW-2		1345	GW	HCl	G	40 mL	2	EPA 8020
4	Field Blank		1400	GW	HCl	G	40 mL	2	EPA 8020
5	Trip Blank		0900	GW	HCl	G	40 mL	2	EPA 8020

\*Parameters correct as listed Client Initial: \_\_\_\_\_  
 Please fill in ALL areas marked with an asterisk (\*). Thank you.

w:\requests\jeffhoffer

Report Reviewed By:	Preserve Check:	Project Nos 70249	LABORATORY NUMBER: 5-0026
Date:			LOGIN: <i>KDuga</i>


**SCITEST**  
 LABORATORY SERVICES

 P.O. Box 339  
 Randolph, Vermont 05060-0339  
 (802) 728-6313

Post-It <sup>®</sup> Fax Note	7671	Date	1/6/95	# of Pages	1
To	Prof. Moran	From	Jeff Hoffer		
Co./Dept.	SP16	Co.			
Phone #		Phone #	244-5573		
Fax #	244-3296	Fax #	244-4387		

### LABORATORY REPORT

CLIENT: S.B. Collins, Inc.  
 ADDRESS: 64 Lower Welden Street  
 St. Albans, VT 05478

SITE: Sketchley  
 ATTENTION: Carl Ruprecht

LABORATORY NO: 4-3355  
 PROJECT NO: 70249  
 DATE OF SAMPLE: 12/19/94  
 DATE OF RECEIPT: 12/21/94  
 DATE OF ANALYSIS: 12/23 & 30/94  
 DATE OF REPORT: 01/05/95

### RESULTS

(Results expressed in micrograms per liter (ug/L) or ppb)

PARAMETER	MW - 2	MW - 3	MW - 4
Methyl Tertiary Butyl Ether	3660	1	BPQL
Benzene	2120	BPQL	BPQL
Toluene	6410	BPQL	BPQL
Ethylbenzene	380	BPQL	BPQL
Total Xylenes	6690	BPQL	BPQL
Chlorobenzene	BPQL	BPQL	BPQL
1,2-Dichlorobenzene	BPQL	BPQL	BPQL
1,3-Dichlorobenzene	BPQL	BPQL	BPQL
1,4-Dichlorobenzene	BPQL	BPQL	BPQL
Surrogate % Recovery	87%	79%	78%

EPA Method 8020

BPQL = Below Practical Quantitation Limit, 1 ppb

Note: Several additional peaks were found in MW-2, MW-3 and MW-4;  
 including Tetrachloroethene, Trichloroethene, and 1,2-Dichloroethene.

c: Jefferson P. Hoffer

Respectfully submitted,

SCITEST, INC.

*Roderick J. Lamothe*  
 Roderick J. Lamothe  
 Laboratory Director

Matt Moran Phone Log  
Sites Management Section

\*\*\*\*\*

Date: ~~1/16/94~~ 1/16/94

Incoming / Outgoing

Time: 10:00am

Correspondent: Jeff Hoffer Telephone #: (802) 244-5573

Representing: Consulting Hydrog.

Site/Property Name: Sketchley Site #: 94-1737

\*\*\*\*\*

Comments: \_\_\_\_\_

→ Lab results to be faxed today

→ TCE }  
PCE } in all 3 wells  
DCE }

→ MW-2 elevated BTEX; other MWs ND

→ Going expressway for more wells

⇒ Although it would speed matters, I said that going expressway for chlorinated solvents should not be done until RP is involved.

⇒ let him know that memo is going to WMPs to investigate.

Matt Moran Phone Log  
Sites Management Section

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Date: 1/4/95

Incoming / Outgoing

Time: 10:30 a.m.

Correspondent: Jeff Hoffer Telephone #: (802) 244-5573

Representing: Consulting Hydrogeologists

Site/Property Name: Sketehby Services Site #: \_\_\_\_\_

\*\*\*\*\*

Comments: \_\_\_\_\_

Jeff has gotten verbal info on lab results. It appears that BTEX is present in MW-2, but PCE is present in all 3 wells.

PCE appears to be coming from laundromat facility. Photos in assessment show the drums - possibly storing PCE. Will investigate this evening.

MW-2 may be destroyed due to expansion of Associated tile building.

Groundwater flow to S-SW towards lake - 2000' away