

THE JOHNSON COMPANY, INC.

**Environmental Sciences and Engineering**

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TC

WASTE MANAGEMENT DIVISION

Jun 12 10 38 AM '96

June 11, 1996

George Desch, Chief  
Sites Management Section  
Waste Management Division  
Agency of Natural Resources  
103 South Main Street  
Waterbury, Vermont 05676

Re: The Maple Corner Store in Calais, Vermont. Site #:90-0537  
JCO#: 1-0539-1

Dear George:

The Johnson Company has been retained by Orville Ennis of Calais, Vermont to perform the sampling of two (2) monitoring wells and one residential well at the above property in response to your letter to Mr. Ennis dated January 5, 1995.

Based on a conversation with Tim Cropley on February 12, 1996, both monitoring wells and the residential well were sampled during a period of high groundwater elevation, to ensure adequate water volumes. Prior to sampling the wells, an interface probe was used to determine if free product was present. The samples were analyzed, per the direction of Mr. Cropley, by EPA 602 for benzene, toluene, ethylbenzene total xylenes, and MBTE. A copy of the laboratory report is attached.

**Sample Results:**

No free product was indicated in either of the monitoring wells.

As presented in the table of Groundwater Sampling Results, the following trends were identified.

MW-1: All parameters indicate a decreasing trend, except for ethylbenzene which went from 175 to 200 parts per billion. This increase is not believed to be indicative of a significant change in concentrations.

MW-2: All parameters indicate a decreasing trend, except for ethylbenzene which went from 712 to 760 parts per billion. This increase is not believed to be indicative of significant change in concentrations.

Ennis: All parameters are below the method detection limits.

George Desch, Chief  
Sites Management Section  
Agency of Natural Resources  
Waterbury, Vermont

June 11, 1996  
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**Recommendations:**

The recommendations for this site are based on the following:

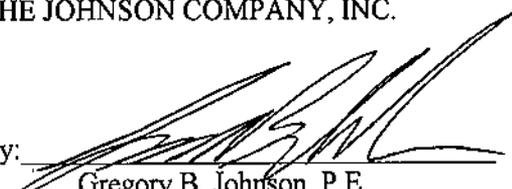
- Contamination concentrations are decreasing for benzene, toluene, and xylenes.
- The source of contamination has been removed.
- There is no history of free product detected at this site.
- The tributary to Pekin Brook down gradient has been tested by the State of Vermont and not found to be contaminated.
- There are no residential wells or other sensitive receptors located down gradient of the monitoring wells on the north side of Pekin Brook.

Based on the above points, we recommend that no more sampling event be conducted and that this site should be taken off the Active Sites list and designated Site Management Activities Completed.

Please feel free to contact me at The Johnson Company if you have any question regarding this letter or the attached information.

Sincerely,

THE JOHNSON COMPANY, INC.

By: 

Gregory B. Johnson, P.E.  
Senior Engineer  
e-mail: gjohnson@jcomail.com

cc: Orville Ennis  
Bob Cleary

**Attachment 1**

**Groundwater Sampling Results  
Maple Corner Store**

Groundwater Sampling Results Maple Corner Store All Concentrations are in ppb					
Location	Date of Sample	Benzene	Toluene	Ethylbenzene	Xylenes
MW-1	7/20/94 (1)	180	320	130	720
	8/30/94	375	300	175	1050
	5/13/96	130	290	200	780
MW-2	10/17/94	650	1300	712	3640
	5/13/96	190	600	760	2900
Ennis	10/17/94	ND (2)	11	ND	ND
	12/06/94	ND	<5	ND	ND
	5/13/96	ND	ND	ND	ND
Note: 1) Sample analyzed out of hold time 2) ND = Not detected above the method detection limit.					

**Attachment 2**  
**Laboratory Report**



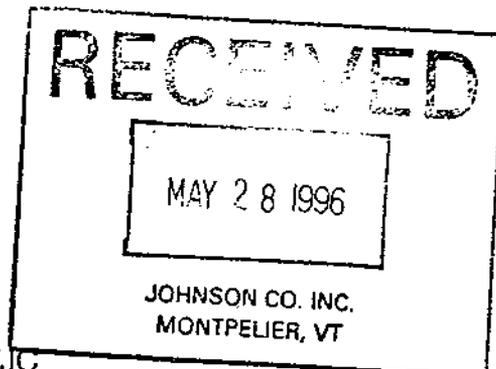
**eastern analytical**

*professional laboratory services*

*GSJ*

*1-0539-1*

Gregory Johnson  
The Johnson Company  
100 State St.  
Montpelier, VT 05602



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 5430 TJC  
Client Identification: 1-0539-1/Maple Corner Store  
Sample Quantity/Type: 3 aqueous  
Date Received: 5/14/96

Dear Mr. Johnson:

Enclosed please find the laboratory report for the above identified project. All analyses were subjected to rigorous quality control measures to assure data accuracy.

The following standard abbreviations and conventions apply throughout all Eastern Analytical, Inc. reports:

- < = "less than" followed by the detection limit
- TNR = Testing Not Requested
- ND = None Detected, no established detection limit
- BRL = Below Reporting Limits

If you have any questions regarding the results contained within, please feel free to directly contact me, the department supervisor, or the analytical chemist who performed the testing in question.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, President

*5/21/96*

Date



# LABORATORY REPORT

Eastern Analytical, Inc. ID#: 5430 TJC

Client: The Johnson Co.

Client Designation: 1-0539-1/Maple Corner Store

## Volatile Organic Compounds

<b>Sample ID:</b>	MW-1	MW-2	Residence
<b>Matrix:</b>	Aqueous	Aqueous	Aqueous
<b>Date Received:</b>	5/14/96	5/14/96	5/14/96
<b>Units:</b>	µg/L	µg/L	µg/L
<b>Date of Analysis:</b>	5/15/96	5/15/96	5/15/96
<b>Analyst:</b>	TML	TML	TML
<b>EPA Method:</b>	602	602	602
<b>Dilution Factor:</b>	1	10	1
<b>Benzene</b>	<b>130</b>	<b>190</b>	<b>&lt;1</b>
<b>Toluene</b>	<b>290</b>	<b>600</b>	<b>&lt;1</b>
<b>Ethylbenzene</b>	<b>200</b>	<b>760</b>	<b>&lt;1</b>
<b>Total Xylenes</b>	<b>780</b>	<b>2,900</b>	<b>&lt;1</b>
<b>Chlorobenzene</b>	<b>&lt;1</b>	<b>&lt;10</b>	<b>&lt;1</b>
<b>EPA Method:</b>	<b>8015</b>	<b>8015</b>	<b>8015</b>
<b>MIBE</b>	<b>&lt;20</b>	<b>&lt;200</b>	<b>&lt;20</b>

Approved By: Clifford Chase, Volatile Organics Supervisor

CHAIN OF CUSTODY RECORD

5130 No 2902

Client/Project Name <b>MAINE CONCRETE STATE</b>	Project Location <b>CALAIS, VT</b>	ANALYSES
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Project No. <b>1-0539-1</b>	Field Logbook No. _____	EPA METHOD 602
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Sampler: (Signature) 	Chain of Custody Tape No. <b>1534 &amp; 1535</b>
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Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample						REMARKS	
MW-1	13 MAY 96	10:58	/	WATER	X						2 VIALS EACH
MW-2	↓	10:25	/	↓	X						↓
PRESSURE	↓	11:05	/	↓	X						
/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/

Relinquished by: (Signature) 	Date <b>13 MAY 96</b>	Time <b>11:45</b>	Received by: (Signature) _____	Date _____	Time _____
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Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____
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Relinquished by: (Signature) _____	Date _____	Time _____	Received for Laboratory: (Signature) 	Date <b>5/14/96</b>	Time <b>9:20 AM</b>
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Sample Disposal Method: _____	Disposed of by: (Signature) _____	Date _____	Time _____
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**SAMPLE COLLECTOR**

5 State Street  
MONTPELIER, VT 05602  
(802) 229-4600  
Fax: (802) 229-5876

**THE JOHNSON COMPANY, INC.**  
**Environmental Sciences and Engineering**

**ANALYTICAL LABORATORY**

**PASTERN ANALYTICAL**

(Custody Seal Intact Upon Lab Receipt