

WAGNER, HEINDEL, and NOYES, Inc.

- Consulting Hydrogeologists
- Engineers
- Environmental Scientists

P.O. Box 1629 Burlington, Vermont 05402-1629

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December 6, 1993

Mr. Chuck Schwer
 Coordinator, Sites Management Section
 Hazardous Materials Management Division
 Vermont Agency of Natural Resources
 103 South Main Street/West Building
 Waterbury, VT 05671-0404

Re: Arrowhead Variety Store Site (93-1463)
 Route 7, Milton, Vermont

Dear Chuck:

Pursuant to your November 5, 1993 letter to Steve Delorme at the Chittenden Bank, we have completed the requested sampling of the Albert Kilburn water supply spring (Milton tax map lot 88). The Kilburn spring was sampled on November 18, 1993; the sample was delivered to the laboratory for analysis for purgeable aromatic hydrocarbons via EPA Method 602. A copy of the laboratory assay, designated A. Kilburn Tap, is attached for your records.

The results of the EPA Method 602 assay found no detectable volatile organic compounds in the tap water sample, nor were any non-target compounds (unidentified peaks) detected. This data indicates that the Kilburn water supply has not been impacted by petroleum contamination.

Regarding the Alice Wright bedrock well on Milton tax map lot 89, according to Alice Wright (personal communication, November 20, 1993) there are no water supply wells on lot 89. The only water supply for the property is the municipal water system.

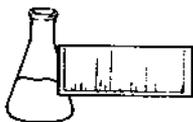
Please advise if further action is required by the Sites Management Section to secure site closure. Thank you for your attention.

Sincerely,

Michael K. Sparks, REM #5770
 Hydrogeologist

MKS/ms

Attachment



ENDYNE, INC.

DEC 7 1993

Laboratory Services

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

REPORT OF LABORATORY ANALYSIS

CLIENT: Wagner, Heindel, and Noyes, Inc.
PROJECT NAME: Chitt./Arrowhead
REPORT DATE: November 30, 1993
DATE SAMPLED: November 18, 1993

PROJECT CODE: HNCA1325
REF.#: 54,234

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Chain of custody indicated preservation with NaN_3 .

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



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LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Wagner, Heindel, and Noyes, Inc.
PROJECT NAME: Chitt./Arrowhead
REPORT DATE: November 30, 1993
DATE SAMPLED: November 18, 1993
DATE RECEIVED: November 18, 1993
ANALYSIS DATE: November 30, 1993

PROJECT CODE: HNCA1325
REF.#: 54,234
STATION: A. Kilburn Tap
TIME SAMPLED: 2:30
SAMPLER: M. K. Sparks

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
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



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EPA METHOD 602 LABORATORY REPORT

MATRIX SPIKE AND DUPLICATE LABORATORY CONTROL DATA

CLIENT: Wagner, Heindel, and Noyes, Inc.
PROJECT NAME: Chitt./Arrowhead
REPORT DATE: November 30, 1993
DATE SAMPLED: November 18, 1993
DATE RECEIVED: November 19, 1993
ANALYSIS DATE: November 30, 1993

PROJECT CODE: HNCA1325
REF.#: 54,234
STATION: A. Kilburn Tap
TIME SAMPLED: 2:30
SAMPLER: M. K. Sparks

<u>Parameter</u>	<u>Sample(ug/L)</u>	<u>Spike(ug/L)</u>	<u>Dup1(ug/L)</u>	<u>Dup2(ug/L)</u>	<u>Avg % Rec</u>
Benzene	ND ¹	10	11.1	11.0	111%
Toluene	ND	10	11.0	10.5	108%
Ethylbenzene	ND	10	10.3	10.0	102%
Xylenes	ND	30	30.5	29.5	100%

NOTES:

1 None detected

