

Wagner, Heindel, and Noyes, Inc.

- Consulting Hydrogeologists
- Engineers
- Environmental Scientists

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

802-658-0820

FAX: 802-860-1014

JUL 14 11 57 AM '95

July 13, 1995

Mr. Richard Spiese
Petroleum Sites Management Section
Agency of Natural Resources
103 South Main Street
Waterbury, VT 05676

Dear Richard:

Enclosed please find a summary report for the Spring 1995 sampling round at the Les Allen's Garage site in Chester, Vermont. Included are maps showing the extent of the total BTEX and MTBE contaminant plumes, tabulated water quality data and analytical results.

Significant concentrations of BTEX compounds persist in the vicinity of MW-18, located to the south of the former treatment shed. During this round elevated levels of BTEX were also detected at TW-104. Historically the highest BTEX levels have been centered near these wells. These data indicate that the BTEX plume is confined to the site.

The MTBE plume continues to extend in a narrow band for several hundred yards east of the site. No MTBE was detected in the town well.

Continued irregular fluctuation of BTEX and MTBE concentrations at individual sampling points, suggests that these compounds are adsorbed to soil particles in the upper soil profile and are seasonally flushed and remobilized by groundwater table fluctuations.

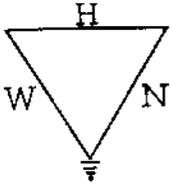
Please do not hesitate to call me or Jeff Noyes if you have any questions or wish to discuss the most recent results.

Sincerely,

Frederik Schuele
Environmental Scientist

FS/ral

Attachments



Wagner, Heindel, and Noyes, Inc.

- Consulting Hydrogeologists
- Engineers
- Environmental Scientists

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

FAX:

802-658-0820

802-860-1014

LES ALLEN'S GARAGE
Chester, Vermont

SUMMARY OF BIANNUAL SAMPLING ACTIVITIES
May 16, 1995

Prepared for:
Department of Environmental Conservation
Sites Management Section

Prepared by:

Frederik Schuele
Environmental Scientist

Reviewed and Approved by:

Jeffrey E. Noyes
Chief Hydrogeologist

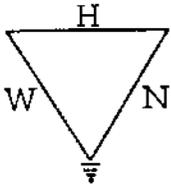
July 13, 1995

LES ALLEN'S GARAGE
Chester, Vermont

SUMMARY OF BIANNUAL SAMPLING ACTIVITIES
May 16, 1995

TABLE OF CONTENTS

| | <u>Page</u> |
|---------------------------------------|-------------|
| SUMMARY | i |
| 1.0 MONITOR WELL SAMPLE RESULTS | 1 |
| 1.1 BTEX | 1 |
| 1.2 MTBE | 3 |
| 2.0 QA/QC SUMMARY | 4 |



Wagner, Heindel, and Noyes, Inc.

• Consulting Hydrogeologists
• Engineers
• Environmental Scientists

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

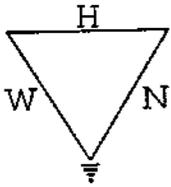
802-658-0820
FAX: 802-860-1014

LES ALLEN'S GARAGE Chester, Vermont

SUMMARY OF BIENNIAL SAMPLING ACTIVITIES May 16, 1995

SUMMARY

- BTEX and MTBE concentrations continue to fluctuate irregularly at individual sampling points, suggesting that these compounds are adsorbed to soil particles in the upper soil profile and are seasonally flushed and remobilized by groundwater table fluctuations.
- The primary BTEX plume is confined to the site; its southward migration is limited by the stream channel. A high concentration of BTEX compounds remains centered around MW-18, where the highest BTEX levels have been measured over the past three years. During the most recent sampling round, a high concentration of BTEX compounds was also detected at TW-104.
- MTBE continues to migrate eastward off of the site for up to several hundred yards in an elongate plume. MTBE was detected south of the stream behind Les Allen's Garage, during this sampling round. No MTBE was detected in the town well.



Wagner, Heindel, and Noyes, Inc.

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

FAX:

- Consulting Hydrogeologists
- Engineers
- Environmental Scientists

802-658-0820
802-860-1014

LES ALLEN'S GARAGE Chester, Vermont

SUMMARY OF BIANNUAL SAMPLING ACTIVITIES May 16, 1995

1.0 MONITOR WELL SAMPLE RESULTS

Twenty one monitor wells were sampled on May 16, 1995. A trip blank, two field blanks and a duplicate were also obtained. A total of twenty five samples were delivered to the ANR DEC Laboratory and analyzed for BTEX compounds and MTBE using EPA Method 8020. Original laboratory reports are provided in Appendix 3. Analytical results are summarized in the tables provided in Appendix 2. Contaminant distribution maps are provided in Appendix 1. MW-4, TW-102, TW-107, TW-114 and TP-8 were not sample because they were either destroyed or could not be accessed.

The total BTEX and MTBE results illustrate the continued fluctuation of generally low hydrocarbon concentrations. Cyclical fluctuations in concentration and mobilization of contaminants continue to be the norm. Such oscillations are likely due to periodic flushing of soils in the unsaturated zone which can be partially explained by seasonal fluctuations in water table depths.

1.1 BTEX

During the most recent sampling round, BTEX compounds were detected in six wells: MW-7, MW-9, MW-12, MW-18, TW-104 and TW-110.

Three significant trends characterize the BTEX data:

- 1) the persistence of a high concentration of BTEX compounds centered around MW-18, where the highest BTEX levels have been measured over the past three years;

- 2) a significant increase in the Benzene, Toluene and Xylene concentrations at TW-104; and
- 3) the irregular fluctuation of BTEX concentrations at individual sampling points, which suggests that contaminants are adsorbed to soil particles in the upper soil profile, and are occasionally flushed and remobilized by a fluctuating groundwater table.

The BTEX concentration maps (Appendix 1, pages 1-2) indicate that the primary contaminant slug continues to be centered near MW-18. MW-18 is located immediately adjacent to the stream channel on the site and downgradient of the old collection system. A total BTEX concentration of 1,410 ppb was detected at MW-18 on May 16, 1995. BTEX compounds detected include benzene at 970 ppb, toluene at 50 ppb, ethylbenzene at 130 ppb, and xylenes at 260 ppb (see Appendix 2, page 1).

TW-104 showed higher levels of contaminants than during the 7/5/94 sampling round. A total BTEX concentration of 917 ppb was detected on 5/16/95. BTEX compounds detected include benzene at 756 ppb, toluene at 93 ppb and xylenes at 68 ppb.

Benzene concentrations were significantly above the Vermont groundwater quality standard of 5.0 ppb in MW-7 (350 ppb), MW-18 (970 ppb) and TW-104 (756 ppb). Toluene, ethylbenzene, and xylenes were not detected at concentrations above the groundwater quality standard at any locations. Toluene was detected in MW-7 (3 ppb), MW-18 (50 ppb), TW-104 (93 ppb) and TW-110 (4ppb). Ethylbenzene was detected in MW-7 (2 ppb), MW-9 (1 ppb) and MW-18 (130 ppb). Xylenes were detected in MW-7 (20 ppb), MW-18 (260 ppb) and TW-104 (68 ppb).

The southward migration of the plume still appears to be restricted by the stream channel. BTEX compounds were not detected in any of the monitoring wells located south of the stream.

The data suggest that BTEX compounds were remobilized at the site this spring, as BTEX levels were generally higher than in the previous sampling round. These results suggest that BTEX compounds are adsorbed to soil particles in the upper soil profile, and are flushed and remobilized by a fluctuating groundwater table.

The May 5 data indicates a secondary, isolated loci of benzene centered at MW-12. This isolated occurrence of benzene, downgradient from Les Allen's garage, could represent a secondary contaminant source that is unrelated to the contamination found at Les Allen's Garage.

1.2 MTBE

The May 16, 1995 MTBE data indicate the continued presence of a primary plume that extends in a band downgradient from the site. MTBE was detected in fourteen of the monitoring wells. Analytical results are tabulated in Appendix 2 page 1. These data continue to support a contaminant transport model where pulses of MTBE are mobilized near the Les Allen site, and move downgradient in the fashion of a classic slug-injection advection migration. Over the years, MTBE concentrations have continued to fluctuate as these compounds are periodically flushed from the soils and migrate downgradient of the site.

The MTBE concentration map on pages 3-4 of Appendix 1 shows the approximate plume location as predicted by the most recent sampling round. The MTBE maps indicate that the highest levels are centered near TW-104 and MW-18, where concentrations of 200 and 40 ppb, respectively, were detected. Elevated concentrations of MTBE were also noted downgradient at MW-7, MW-9, MW-12, MW-14, MW-15, MW-16, MW-17, MW-19, MW-20, TW-108d, TW-108s and TW-116.

MTBE concentration exceed, or match, the VT Health Advisory Standards of 40 ppb at MW-18 (40 ppb) and TW-104 (200 ppb). No other locations showed MTBE concentrations which exceeded this standard. MTBE was detected in MW-7 (16 ppb), MW-9 (26 ppb), MW-12 (15 ppb), MW-14 (13 ppb), MW-15 (9 ppb), MW-16 (12 ppb), MW-17 (2 ppb), MW-19 (3 ppb), MW-20 (6 ppb), TW-108d (2 ppb), TW-108s (3 ppb) and TW-116 (2 ppb). Overall levels of MTBE continue to fall within the general range of concentrations observed over the past few years.

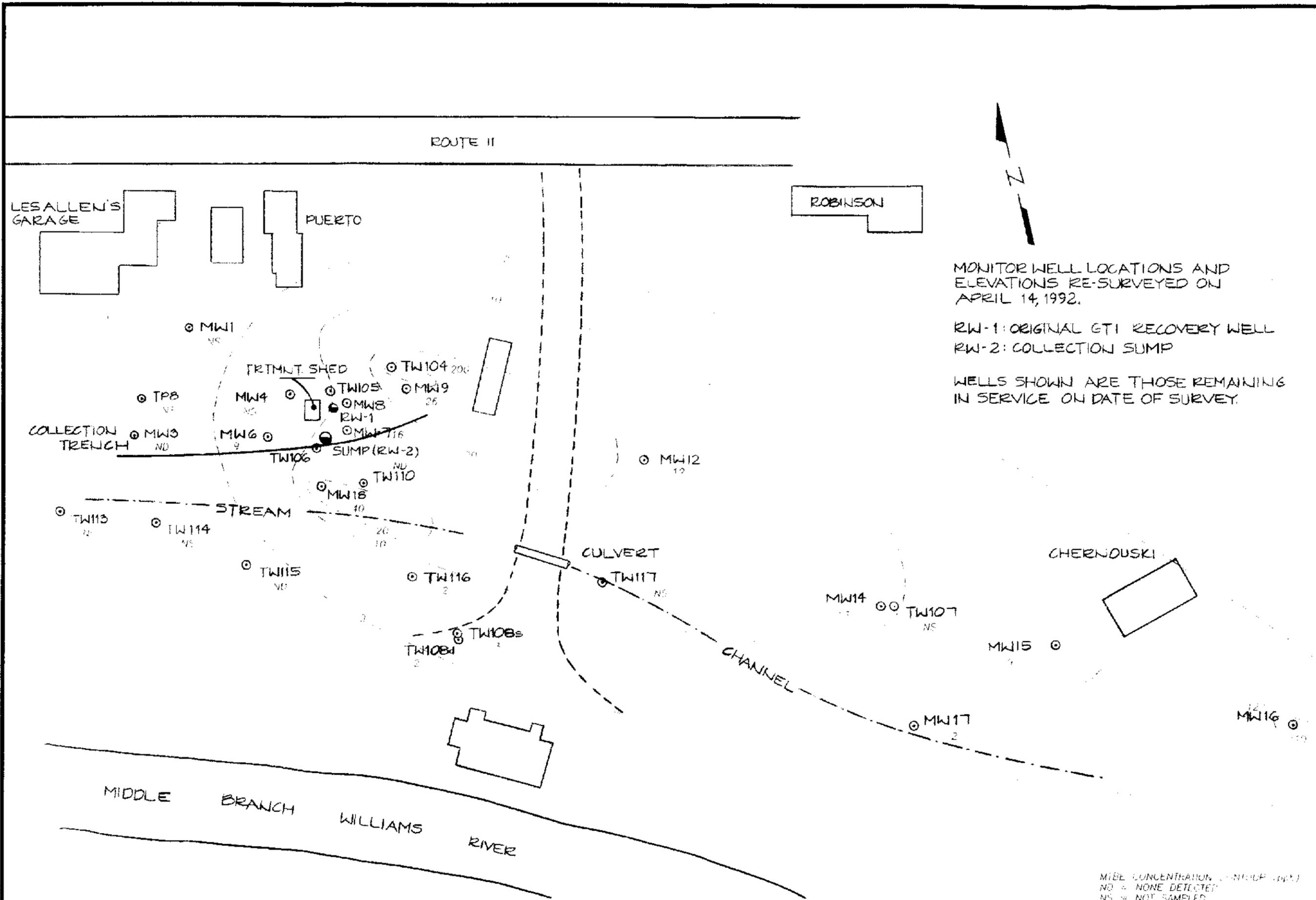
The MTBE plume configuration maps indicate that MTBE is more mobile than BTEX at this site, and has undergone much more widespread migration. Unlike BTEX, the MTBE plume continues to extend eastward off the property. In previous years, the MTBE plume had been detected to the south of the small stream. Such is the case for this most recent sampling round. No MTBE was detected in TW-103 nor in the Canal Street Well (town well).

The MTBE plume construction shown assumes that all results detected are related to the plume associated with the Les Allen site, and does not consider the possibility of other sources downgradient of the site. While MTBE levels continue to fluctuate, contaminant migration from the Les Allen site is unlikely to impact the canal street (town) well.

2.0 QA/QC SUMMARY

Water quality samples were obtained in the field using established QA/QC protocols. Dedicated bailers and disposable bailers were used to obtain most of the samples. The remaining wells were sampled with reusable teflon bailers which were decontaminated in the field. A duplicate sample (MW-3) was obtained to ensure the accuracy of results.

Field blanks (Field Blank #1(105) and #2(4)) were taken from the decontaminated bailers to assure that cross contamination did not occur. To ensure that contaminants were not introduced in the field, and that cross contamination did not occur between wells, a field blank and a trip blank were obtained and analyzed. Contaminants were not present in any of the field blanks or the trip blank (Appendix 2, page 1). Field samples were preserved with sodium azide, packed in ice, and transported within 24 hours to the Vermont ANR DEC laboratory for analysis. Based on the QA/QC procedures applied during the sampling period, we believe the water quality test results are representative of groundwater chemistry at the time of sample collection.



DRAWN BY: M. Luman
 APPROVED: J. Schuele

PROJECT NO. 93496
 FILE: C:\VTCESTR\SITEPLAN

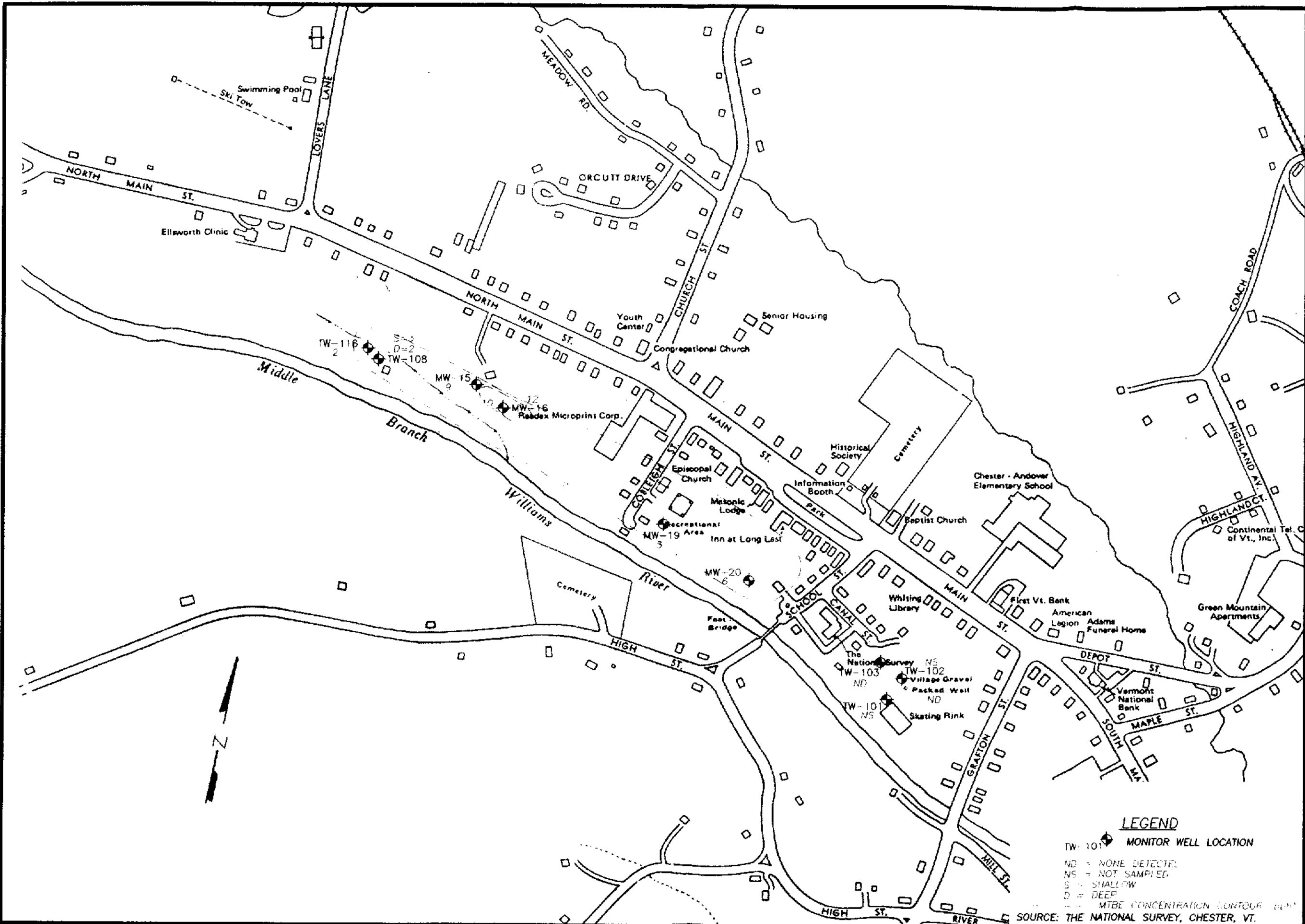
Wagner, Heindel, and Noyes, Inc.
 CONSULTING SCIENTISTS AND ENGINEERS
 • Hydrogeology • Ecology •
 • Environmental Engineering •
 P.O. BOX 64709 BURLINGTON, VERMONT 05406-4709

VT. CHESTER/LES ALLEN'S GARAGE

CHESTER, VERMONT

MTBE DISTRIBUTION MAP (ppb) - 5/16/95

SCALE: 1" = 60' DATE: JUNE 20, 1995



VT. CHESTER/LES ALLEN'S GARAGE

CHESTER, VERMONT

MTBE DISTRIBUTION MAP (ppb) - 5/16/95

SCALE: 1"=400'

DATE: JUNE 20, 1995

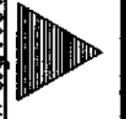
PROJECT NO. 93496
FILE: C:\VT\CHESTR\SITEMAP

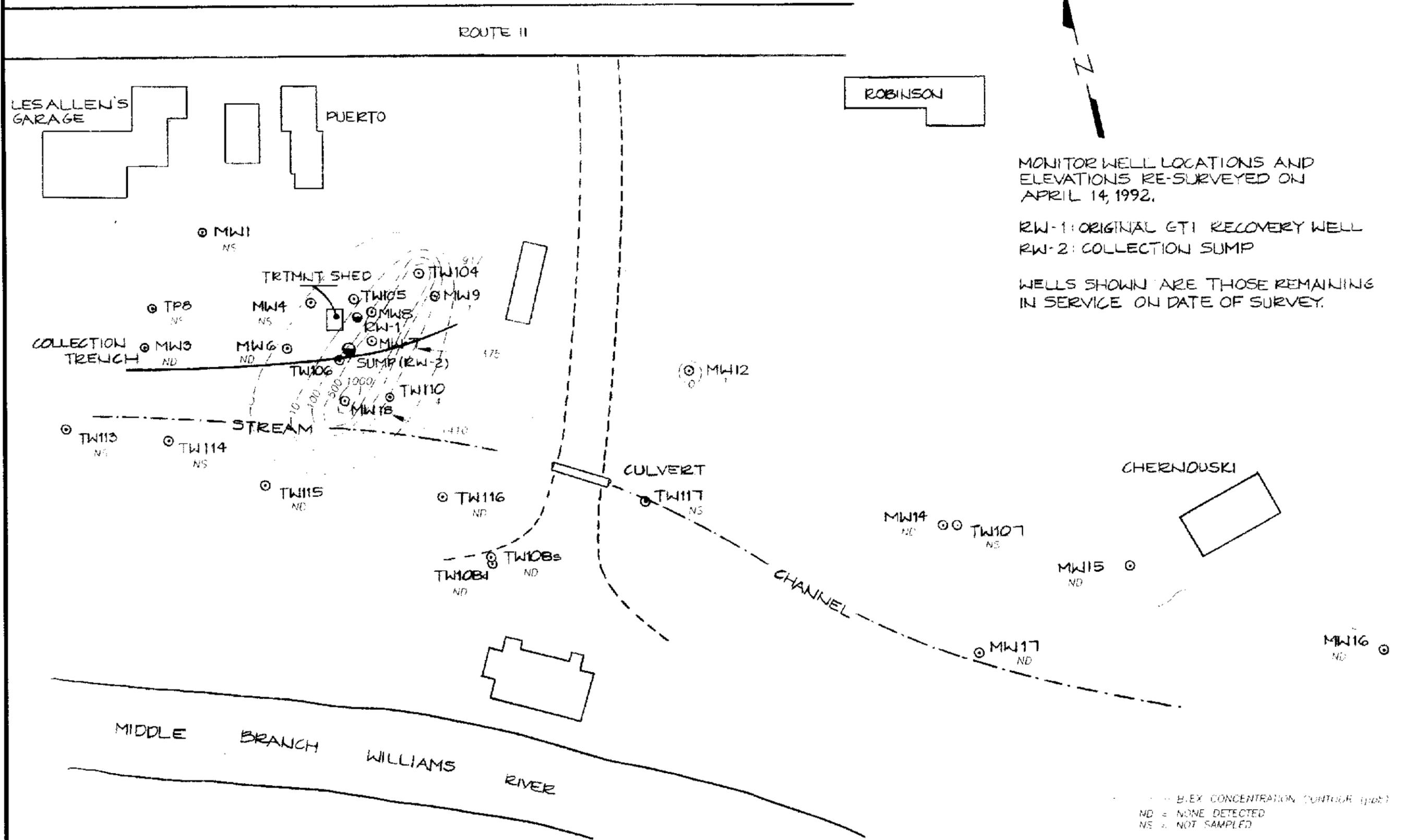
DRAWN BY: M. Luman
APPROVED: J. Schuele

Wagner, Heindel, and Noyes, Inc.
CONSULTING SCIENTISTS AND ENGINEERS

- Hydrogeology
- Ecology
- Environmental Engineering

P.O. BOX 64709 BURLINGTON, VERMONT 05406-4709





MONITOR WELL LOCATIONS AND ELEVATIONS RE-SURVEYED ON APRIL 14, 1992.

RW-1: ORIGINAL GTI RECOVERY WELL
 RW-2: COLLECTION SUMP

WELLS SHOWN ARE THOSE REMAINING IN SERVICE ON DATE OF SURVEY.

CONCENTRATION (ppb) CONTOUR: 10, 100, 500, 1000
 ND = NONE DETECTED
 NS = NOT SAMPLED

PROJECT NO. 93496
 DRAWN BY: M. Luman
 APPROVED: S. Schuele
 FILE: C:\VTCHESTR\SITEPLAN

VT. CHESTER/LES ALLEN'S GARAGE

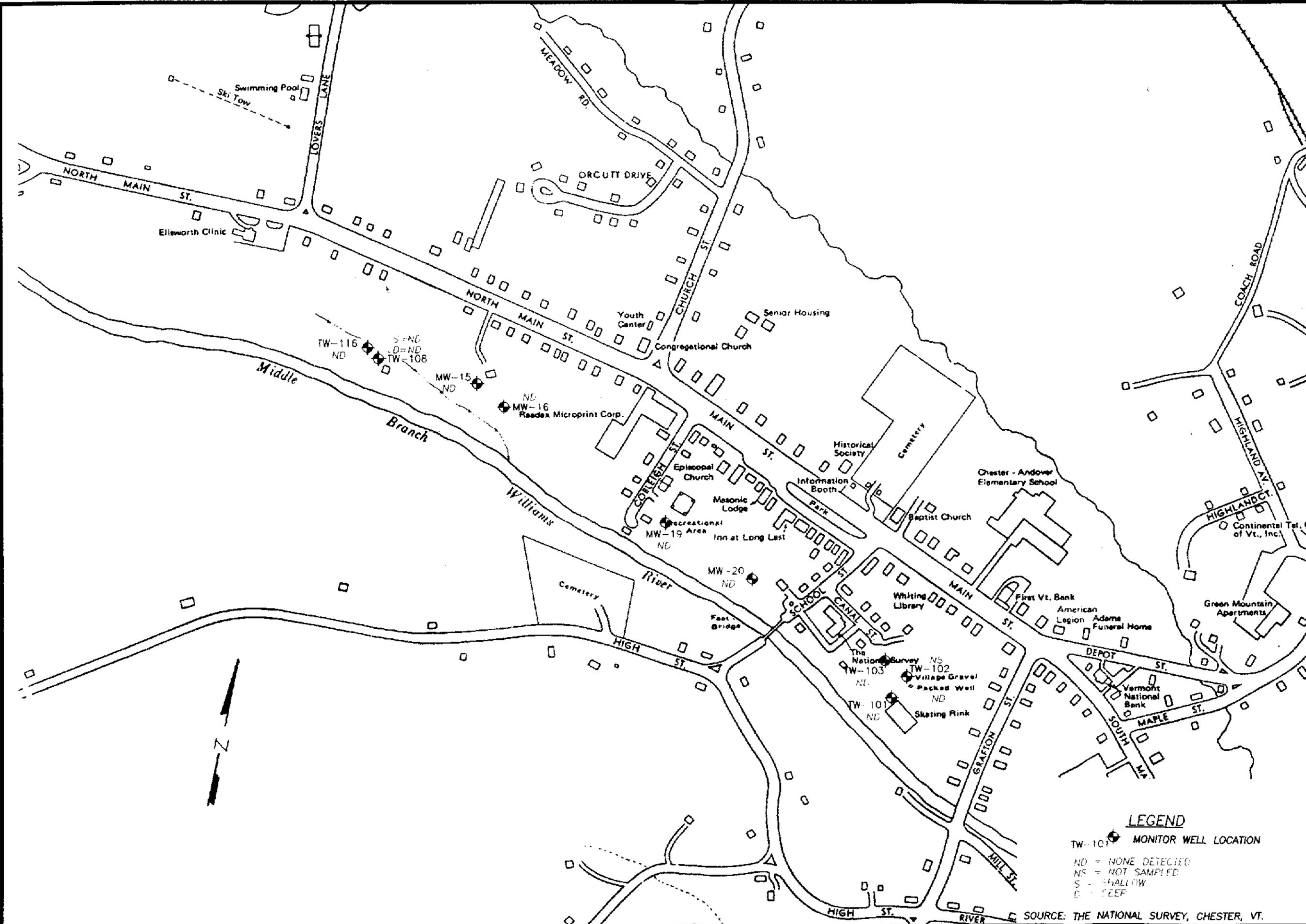
CHESTER, VERMONT

BTEX DISTRIBUTION MAP (ppb) - 5/16/95

SCALE: 1" = 60'

DATE: JUNE 20, 1995

Wagner, Heindel, and Noyes, Inc.
 CONSULTING SCIENTISTS AND ENGINEERS
 • Hydrogeology • Ecology •
 • Environmental Engineering •
 P.O. BOX 64709 BURLINGTON, VERMONT 05406-4709



PROJECT NO. 93496
 FILE: C:\VT\CHESTR\SITEMAP

VT. CHESTER/LES ALLEN'S GARAGE
 CHESTER, VERMONT

DRAWN BY: M. Luman
 APPROVED: S. Schuele
 Wagner, Heindel, and Noyes, Inc.
 CONSULTING SCIENTISTS AND ENGINEERS
 • Hydrogeology • Ecology •
 • Environmental Engineering •
 P.O. BOX 64709 BURLINGTON, VERMONT 05406-4709

BTEX DISTRIBUTION MAP (ppb) - 5/16/95
 SCALE: 1"=400'
 DATE: JUNE 20, 1995

LEGEND
 TW-101 MONITOR WELL LOCATION
 ND = NONE DETECTED
 NS = NOT SAMPLED
 S = SHALLOW
 D = DEEP

SOURCE: THE NATIONAL SURVEY, CHESTER, VT.

Les Allen's Garage; Chester, VT
 Water Quality Results Summary
 May 16, 1995

| Location | Parameter Concentration | | | | | |
|----------------------------|-------------------------|------------------|-----------------------|------------------|---------------|---------------------|
| | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | Xylenes (ppb) | MTBE (ppb) | Total BTEX (ppb) |
| MW-3 | ND | ND | ND | ND | ND | 0 |
| MW-4 | NS | NS | NS | NS | NS | 0 |
| MW-6 | ND | ND | ND | ND | ND | 0 |
| MW-7 | 350 | 3 | 2 | 20 | 16 | 375 |
| MW-9 | ND | ND | 1 | ND | 26 | 1 |
| MW-12 | 1 | ND | ND | ND | 15 | 1 |
| MW-14 | ND | ND | ND | ND | 13 | 0 |
| MW-15 | ND | ND | ND | ND | 9 | 0 |
| MW-16 | ND | ND | ND | ND | 12 | 0 |
| MW-17 | ND | ND | ND | ND | 2 | 0 |
| MW-18 | 970 | 50 | 130 | 260 | 40 | 1410 |
| MW-19 | ND | ND | ND | ND | 3 | 0 |
| MW-20 | ND | ND | ND | ND | 6 | 0 |
| TW-102 | NS | NS | NS | NS | NS | 0 |
| TW-103 | ND | ND | ND | ND | ND | 0 |
| TW-104 | 756 | 93 | ND | 68 | 200 | 917 |
| TW-105 | ND | ND | ND | ND | ND | 0 |
| TW-107 | NS | NS | NS | NS | NS | 0 |
| TW-108D | ND | ND | ND | ND | 2 | 0 |
| TW-108S | ND | ND | ND | ND | 3 | 0 |
| TW-110 | ND | 4 | ND | ND | ND | 4 |
| TW-114 | NS | NS | NS | NS | NS | 0 |
| TW-115 | ND | ND | ND | ND | ND | 0 |
| TW-116 | ND | ND | ND | ND | 2 | 0 |
| TP-8 | NS | NS | NS | NS | NS | 0 |
| Canal Street | ND | ND | ND | ND | ND | 0 |
| MW-3 Duplicate | ND | ND | ND | ND | ND | 0 |
| Trip Blank | ND | ND | ND | ND | ND | 0 |
| Field Blank #1(105) | ND | ND | ND | ND | ND | 0 |
| Field Blank #2(4) | ND | ND | ND | ND | ND | 0 |
| VTDEC Enforcement Standard | 5.0 | 680.0 | 2420 | 400.0 | 40* | |

Notes

NS = No Sample

ND = None Detected

Samples tested via EPA Method 8020

Shading indicates values which violate VTDEC Enforcement Standards

* = Vermont Health Advisory

Les Allen Garage; Chester, VT
 Water Quality Results Summary
 August 1993 to May 1995

Well: MW-3

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | ND | ND | ND |
| Toluene | NS | NS | ND | ND | ND |
| Ethylbenzene | NS | NS | ND | ND | ND |
| Xylene | NS | NS | ND | ND | ND |
| Total BTEX | NS | NS | ND | ND | ND |
| MTBE | NS | NS | ND | ND | ND |
| # Peaks | NS | NS | NS | NS | NS |

Well: MW-4

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | ND | 10.0 | NS | NS |
| Toluene | NS | ND | ND | NS | NS |
| Ethylbenzene | NS | ND | ND | NS | NS |
| Xylene | NS | ND | ND | NS | NS |
| Total BTEX | NS | ND | 10.0 | NS | NS |
| MTBE | NS | ND | TBQ | NS | NS |
| # Peaks | NS | 0 | 0 | NS | NS |

Well: MW-6

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | 1.5 | ND |
| Toluene | NS | NS | NS | ND | ND |
| Ethylbenzene | NS | NS | NS | ND | ND |
| Xylene | NS | NS | NS | ND | ND |
| Total BTEX | NS | NS | NS | 1.5 | ND |
| MTBE | NS | NS | NS | ND | 9 |
| # Peaks | NS | NS | NS | 1 | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: MW-7

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | 335.0 | 350 |
| Toluene | NS | NS | NS | ND | 3 |
| Ethylbenzene | NS | NS | NS | ND | 2 |
| Xylene | NS | NS | NS | ND | 20 |
| Total BTEX | NS | NS | NS | 335.0 | 375 |
| MTBE | NS | NS | NS | 69.9 | 16 |
| # Peaks | NS | NS | NS | 3 | NS |

Well: MW-9

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | ND | ND | ND |
| Toluene | NS | NS | ND | ND | ND |
| Ethylbenzene | NS | NS | ND | ND | 1 |
| Xylene | NS | NS | ND | ND | ND |
| Total BTEX | NS | NS | ND | ND | 1 |
| MTBE | NS | NS | 80.5 | 34.5 | 26 |
| # Peaks | NS | NS | 0 | 2 | NS |

Well: MW-12

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | ND | ND | 3.8 | 1 |
| Toluene | ND | ND | ND | ND | ND |
| Ethylbenzene | ND | ND | ND | ND | ND |
| Xylene | ND | ND | ND | ND | ND |
| Total BTEX | ND | ND | ND | 3.8 | 1 |
| MTBE | 162.0 | 66.1 | 13.2 | 48.4 | 15 |
| # Peaks | 0 | 0 | 0 | 1 | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: MW-14

| Date: | 10/11/93 | 01/06/94 | 01/06/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | ND | NS | ND | ND |
| Toluene | ND | ND | NS | ND | ND |
| Ethylbenzene | ND | ND | NS | ND | ND |
| Xylene | ND | ND | NS | ND | ND |
| Total BTEX | ND | ND | NS | ND | ND |
| MTBE | 49.2 | 45.8 | NS | 26.4 | 13 |
| # Peaks | 0 | 0 | NS | 0 | NS |

Well: MW-15

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | ND | ND |
| Toluene | NS | NS | NS | ND | ND |
| Ethylbenzene | NS | NS | NS | ND | ND |
| Xylene | NS | NS | NS | ND | ND |
| Total BTEX | NS | NS | NS | ND | ND |
| MTBE | NS | NS | NS | 13.1 | 9 |
| # Peaks | NS | NS | NS | 0 | NS |

Well: MW-16

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | ND | ND | ND | ND |
| Toluene | ND | ND | ND | ND | ND |
| Ethylbenzene | ND | ND | ND | ND | ND |
| Xylene | ND | ND | ND | ND | ND |
| Total BTEX | ND | ND | ND | ND | ND |
| MTBE | 39.7 | 57.7 | 33.1 | 23.0 | 12 |
| # Peaks | 0 | 0 | 0 | 0 | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: MW-17

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | NS | NS | TBQ | ND |
| Toluene | ND | NS | NS | 19.1 | ND |
| Ethylbenzene | ND | NS | NS | ND | ND |
| Xylene | ND | NS | NS | ND | ND |
| Total BTEX | ND | NS | NS | 19.1 | ND |
| MTBE | 45.1 | NS | NS | 11.7 | 2 |
| # Peaks | 0 | NS | NS | 3 | NS |

Well: MW-18

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | 588 | 970 |
| Toluene | NS | NS | NS | 26.2 | 50 |
| Ethylbenzene | NS | NS | NS | 85.1 | 130 |
| Xylene | NS | NS | NS | 136 | 260 |
| Total BTEX | NS | NS | NS | 835.3 | 1410 |
| MTBE | NS | NS | NS | 102.0 | 40 |
| # Peaks | NS | NS | NS | 1 | NS |

Well: MW-19

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | NS | ND | ND | ND |
| Toluene | ND | NS | ND | ND | ND |
| Ethylbenzene | ND | NS | ND | ND | ND |
| Xylene | ND | NS | ND | ND | ND |
| Total BTEX | ND | NS | ND | ND | ND |
| MTBE | TBQ | NS | ND | ND | 3 |
| # Peaks | 0 | NS | 0 | 0 | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: MW-20

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | ND | NS | ND | ND |
| Toluene | NS | ND | NS | ND | ND |
| Ethylbenzene | NS | ND | NS | ND | ND |
| Xylene | NS | ND | NS | ND | ND |
| Total BTEX | NS | ND | NS | ND | ND |
| MTBE | NS | ND | NS | ND | 6 |
| # Peaks | NS | 0 | NS | 0 | NS |

Well: MW-108d

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | ND | ND | ND | ND |
| Toluene | ND | ND | ND | ND | ND |
| Ethylbenzene | ND | ND | ND | ND | ND |
| Xylene | ND | ND | ND | ND | ND |
| Total BTEX | ND | ND | ND | ND | ND |
| MTBE | ND | TBQ | ND | ND | 2 |
| # Peaks | 0 | 0 | 0 | 0 | NS |

Well: TW-102

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | ND | NS |
| Toluene | NS | NS | NS | ND | NS |
| Ethylbenzene | NS | NS | NS | ND | NS |
| Xylene | NS | NS | NS | ND | NS |
| Total BTEX | NS | NS | NS | ND | NS |
| MTBE | NS | NS | NS | ND | NS |
| # Peaks | NS | NS | NS | 0 | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: TW-103

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | ND | ND | ND |
| Toluene | NS | NS | ND | ND | ND |
| Ethylbenzene | NS | NS | ND | ND | ND |
| Xylene | NS | NS | ND | ND | ND |
| Total BTEX | NS | NS | ND | ND | ND |
| MTBE | NS | NS | ND | ND | ND |
| # Peaks | NS | NS | 0 | 0 | NS |

Well: TW-104

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | 45.6 | 756 |
| Toluene | NS | NS | NS | ND | 93 |
| Ethylbenzene | NS | NS | NS | ND | ND |
| Xylene | NS | NS | NS | ND | 68 |
| Total BTEX | NS | NS | NS | 45.6 | 917 |
| MTBE | NS | NS | NS | 117.0 | 200 |
| # Peaks | NS | NS | NS | 2 | NS |

Well: TW-105

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | ND | NS | ND | ND |
| Toluene | ND | ND | NS | ND | ND |
| Ethylbenzene | ND | ND | NS | ND | ND |
| Xylene | ND | ND | NS | ND | ND |
| Total BTEX | ND | ND | NS | ND | ND |
| MTBE | ND | ND | NS | ND | ND |
| # Peaks | 0 | 0 | NS | 0 | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: TW-107

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | ND | NS |
| Toluene | NS | NS | NS | ND | NS |
| Ethylbenzene | NS | NS | NS | ND | NS |
| Xylene | NS | NS | NS | ND | NS |
| Total BTEX | NS | NS | NS | ND | NS |
| MTBE | NS | NS | NS | 50.5 | NS |
| # Peaks | NS | NS | NS | 0 | NS |

Well: TW-110

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | ND | ND |
| Toluene | NS | NS | NS | 1.9 | 4 |
| Ethylbenzene | NS | NS | NS | ND | ND |
| Xylene | NS | NS | NS | 1.0 | ND |
| Total BTEX | NS | NS | NS | 2.9 | 4 |
| MTBE | NS | NS | NS | 13.1 | ND |
| # Peaks | NS | NS | NS | 2 | NS |

Well: TW-114

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | ND | ND | ND | NS |
| Toluene | ND | ND | ND | ND | NS |
| Ethylbenzene | ND | ND | ND | ND | NS |
| Xylene | ND | ND | ND | ND | NS |
| Total BTEX | ND | ND | ND | ND | NS |
| MTBE | ND | ND | ND | ND | NS |
| # Peaks | 0 | 0 | 0 | 0 | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: TW-115

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | ND | ND |
| Toluene | NS | NS | NS | ND | ND |
| Ethylbenzene | NS | NS | NS | ND | ND |
| Xylene | NS | NS | NS | ND | ND |
| Total BTEX | NS | NS | NS | ND | ND |
| MTBE | NS | NS | NS | ND | ND |
| # Peaks | NS | NS | NS | 0 | NS |

Well: TW-116

| Date: | 10/11/93 | 01/06/94 | 04/26/94 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | NS | NS | NS | ND | ND |
| Toluene | NS | NS | NS | ND | ND |
| Ethylbenzene | NS | NS | NS | ND | ND |
| Xylene | NS | NS | NS | ND | ND |
| Total BTEX | NS | NS | NS | ND | ND |
| MTBE | NS | NS | NS | ND | 2 |
| # Peaks | NS | NS | NS | 0 | NS |

Well: TP-8

| Date: | 10/11/93 | 01/06/94 | 10/11/93 | 07/05/94 | 5/16/95 |
|--------------|----------|----------|----------|----------|---------|
| Benzene | ND | ND | NS | NS | NS |
| Toluene | ND | TBQ | NS | NS | NS |
| Ethylbenzene | ND | 4.1 | NS | NS | NS |
| Xylene | ND | 21.7 | NS | NS | NS |
| Total BTEX | ND | 25.8 | NS | NS | NS |
| MTBE | ND | ND | NS | NS | NS |
| # Peaks | 0 | 6 | NS | NS | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: Canal Street Well

| | |
|--------------|---------|
| Date: | 5/16/95 |
| Benzene | ND |
| Toluene | ND |
| Ethylbenzene | ND |
| Xylene | ND |
| Total BTEX | ND |
| MTBE | ND |
| # Peaks | NS |

Well: TW 108s

| | |
|--------------|---------|
| Date: | 5/16/95 |
| Benzene | ND |
| Toluene | ND |
| Ethylbenzene | ND |
| Xylene | ND |
| Total BTEX | ND |
| MTBE | 3 |
| # Peaks | NS |

Well: Trip Blank

| | |
|--------------|---------|
| Date: | 5/16/95 |
| Benzene | ND |
| Toluene | ND |
| Ethylbenzene | ND |
| Xylene | ND |
| Total BTEX | ND |
| MTBE | ND |
| # Peaks | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

Les Allen Garage; Chester, VT
Water Quality Results

Well: MW-3 Duplicate

| | |
|--------------|---------|
| Date: | 5/16/95 |
| Benzene | ND |
| Toluene | ND |
| Ethylbenzene | ND |
| Xylene | ND |
| Total BTEX | ND |
| MTBE | ND |
| # Peaks | NS |

Well: Field Blank #1(105)

| | |
|--------------|---------|
| Date: | 5/16/95 |
| Benzene | ND |
| Toluene | ND |
| Ethylbenzene | ND |
| Xylene | ND |
| Total BTEX | ND |
| MTBE | ND |
| # Peaks | NS |

Well: Field Blank #2(4)

| | |
|--------------|---------|
| Date: | 5/16/95 |
| Benzene | ND |
| Toluene | ND |
| Ethylbenzene | ND |
| Xylene | ND |
| Total BTEX | ND |
| MTBE | ND |
| # Peaks | NS |

TBQ Trace Below Quantitation

NS Not Sampled

ND Non-Detect

Results are reported in parts per billion (ppb)

RECEIVED
MAY 18 1995

Wagner, Hemdel and Noyes, Inc.

1027:

Submitted by: FREDERICK SCHUELE Phone: 658-0830 Date Collected: 5/16/95
Lab Report to: FREDERICK SCHUELE Custody: N Date Submitted: 5/17/95
Program #: 42 Activity code: 9041 Date Required: 6/14/95

Notes:

*** Test(s) Requested ***

WB020

| Lab Id | Location | Lab Id | Location |
|--------|---------------------------|--------|-----------------------------|
| 14258 | CHESTER MW3 | 14259 | CHESTER TW105 |
| 14260 | CHESTER MW6 | 14261 | CHESTER MW18 |
| 14262 | CHESTER TW103 | 14263 | CHESTER CANAL STREET WELL |
| 14264 | CHESTER MW7 | 14265 | CHESTER CANAL MW9 |
| 14266 | CHESTER TW108D | 14267 | CHESTER CANAL TW108S |
| 14268 | CHESTER MW19 | 14269 | CHESTER CANAL MW12 |
| 14270 | CHESTER MW14 | 14271 | CHESTER CANAL MW20 |
| 14272 | CHESTER TRIP BLANK | 14273 | CHESTER CANAL TW115 |
| 14274 | CHESTER MW3 | 14275 | CHESTER CANAL TW116 |
| 14276 | CHESTER TW110 | 14277 | CHESTER CANAL MW15 |
| 14278 | CHESTER MW16 | 14279 | CHESTER CANAL MW17 |
| 14280 | CHESTER TW104 | 14281 | CHESTER FIELD BLANK #1(105) |
| 14282 | CHESTER FIELD BLANK #2(4) | | |

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14274 Report To: FREDERICK SCHUELE
Location: CHESTER MW3

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 110% α,α,α -Trifluorotoluene 115%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14258 Report To: FREDERICK SCHUELE
Location: CHESTER MW3

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/23/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 106% α,α,α -Trifluorotoluene 119%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14260 Report To: FREDERICK SCHUELE
Location: CHESTER MW6

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/23/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 9 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 108% α,α,α-Trifluorotoluene 115%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14264 Report To: FREDERICK SCHUELE
Location: CHESTER MW7

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/23/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 16 | | | | |
| Benzene | 1 | 350 | | | | |
| Toluene | 1 | 3 | | | | |
| Ethylbenzene | 1 | 2 | | | | |
| Total Xylenes | 1 | 20 | | | | |
| Total Volatile Hydrocarbons | 100 | 1010 | E | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 91% α,α,α -Trifluorotoluene 102%

Notes: No second column confirmation used. Benzene quantified from 1 to 5 dilution run.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14265 Report To: FREDERICK SCHUELE
Location: CHESTER CANAL MW9

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/23/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 26 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | 1 | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 105% α,α,α -Trifluorotoluene 112%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14269 Report To: FREDERICK SCHUELE
Location: CHESTER CANAL MW12

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 15 | | | | |
| Benzene | 1 | 1 | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 106% α,α,α -Trifluorotoluene 119%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJL

Lab Id: 14270 Report To: FREDERICK SCHUELE Phone: 658-0820 Date Collected: 5/16/95
Location: CHESTER MW14 Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 13 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 109% α,α,α -Trifluorotoluene 118%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJL

Lab Id: 14277 Report To: FREDERICK SCHUELE
Location: CHESTER CANAL MW15

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 9 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 115% α,α,α -Trifluorotoluene 115%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14278 Report To: FREDERICK SCHUELE Phone: 658-0820 Date Collected: 5/16/95
Location: CHESTER MW16 Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 12 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 108% α,α,α-Trifluorotoluene 116%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJL

Lab Id: 14279 Report To: FREDERICK SCHUELE
Location: CHESTER CANAL MW17

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 2 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 111% α,α,α -Trifluorotoluene 121%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14261 Report To: FREDERICK SCHUELE
Location: CHESTER MW18

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/23/95 Over hold? No Dilution: 10

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 10 | 40 | | | | |
| Benzene | 10 | 970 | | | | |
| Toluene | 10 | 50 | | | | |
| Ethylbenzene | 10 | 130 | | | | |
| Total Xylenes | 10 | 260 | | | | |
| Total Volatile Hydrocarbons | 1000 | 5530 | E | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 97% α,α,α -Trifluorotoluene 107%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14268 Report To: FREDERICK SCHUELE
Location: CHESTER MW19

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 3 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 108% α,α,α -Trifluorotoluene 117%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14271 Report To: FREDERICK SCHUELE Phone: 658-0820 Date Collected: 5/16/95
Location: CHESTER CANAL MW20 Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 6 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 106% α,α,α -Trifluorotoluene 115%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14262 Report To: FREDERICK SCHUELE
Location: CHESTER TWI03

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 109% α,α,α-Trifluorotoluene 118%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJL

Lab Id: 14280 Report To: FREDERICK SCHUELE
Location: CHESTER TW104

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 200 | | | | |
| Benzene | 1 | 756 | | | | |
| Toluene | 1 | 93 | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | 68 | | | | |
| Total Volatile Hydrocarbons | 100 | 1840 | E | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 97% α,α,α-Trifluorotoluene 93%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14259 Report To: FREDERICK SCHUELE Phone: 658-0820 Date Collected: 5/16/95
Location: CHESTER TW105 Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/23/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 105% α,α,α -Trifluorotoluene 114%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14267 Report To: FREDERICK SCHUELE
Location: CHESTER CANAL TW108S

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 3 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 105% α,α,α-Trifluorotoluene 117%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14266 Report To: FREDERICK SCHUELE
Location: CHESTER TW108D

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 2 | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 110% α,α,α -Trifluorotoluene 114%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14276 Report To: FREDERICK SCHUELE
Location: CHESTER TW110

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | 4 | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 109% α,α,α -Trifluorotoluene 115%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJ

Lab Id: 14273 Report To: FREDERICK SCHUELE Phone: 658-0820 Date Collected: 5/16/95
Location: CHESTER CANAL TW115 Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 110% α,α,α-Trifluorotoluene 119%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJL

Lab Id: 14275 Report To: FREDERICK SCHUELE
Location: CHESTER CANAL TW116

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/25/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | 2 | | | | |
| Benzene | 1 | N.D. | | 3 | Y | 118 |
| Toluene | 1 | N.D. | | 3 | Y | 120 |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 109% α,α,α-Trifluorotoluene 114%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14263 Report To: FREDERICK SCHUELE
Location: CHESTER CANAL STREET WELL

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/23/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 104% α,α,α -Trifluorotoluene 110%

Notes: No second column confirmation used.

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJD

Lab Id: 14272 Report To: FREDERICK SCHUELE
Location: CHESTER TRIP BLANK

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/24/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|----------------|----------------|------------------|---------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 109% α,α,α -Trifluorotoluene 116%

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJL

Lab Id: 14282 Report To: FREDERICK SCHUELE
Location: CHESTER FIELD BLANK #2(4)

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/26/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 109% α,α,α -Trifluorotoluene 118%

Notes: No second column confirmation used.

JUN 13 1995
 Signature: _____

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

6/07/95

Department of Environmental Conservation Laboratory
Method 8020 - BTEX and MTBE in Water

GJL

Lab Id: 14281 Report To: FREDERICK SCHUELE
Location: CHESTER FIELD BLANK #1(105)

Phone: 658-0820 Date Collected: 5/16/95
Program: 42 9041 Chain of Custody? No

Notes:

Date Analyzed: 5/26/95 Over hold? No Dilution: 1

| Parameter | Units are ug/l | | Remark Code | Rel % Diff. | Spiked Dups ? | Percent Recovery |
|-----------------------------|----------------|--------|-------------|-------------|---------------|------------------|
| | PQL | Result | | | | |
| Methyl-t-butylether | 1 | N.D. | | | | |
| Benzene | 1 | N.D. | | | | |
| Toluene | 1 | N.D. | | | | |
| Ethylbenzene | 1 | N.D. | | | | |
| Total Xylenes | 1 | N.D. | | | | |
| Total Volatile Hydrocarbons | 100 | N.D. | | | | |

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

4-Bromofluorobenzene . 110% α,α,α-Trifluorotoluene 126% S

Notes: No second column confirmation used.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

CHAIN-OF-CUSTODY RECORD

10720

| | | |
|--|--|---|
| Project Name: VT Chester/Les Allens George Site Location: Chester, VT | Reporting Address: Leungin Heibel & Hayes PO Box 64709 Burlington, VT 05406-4709 | Billing Address: same as reporting address |
| Endyne Project Number: | Company: WHEEN Contact Name/Phone #: F. Schude 655-0320 | Sampler Name: Frederick Schude / J. Samson Phone #: 655-0320 |

| 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 | | | | |
| ✓ | MW-3 | H ₂ O | ✓ | | 5/16/95 12:22 | 2 | 2 L DUA | | EPA 602 | NaOH | |
| ✓ | TW-105 | | | | 11:30 | | | | | | |
| ✓ | MW-6 | | | | 13:00 | | | | | | |
| ✓ | MW-18 | | | | 13:55 | | | | | | |
| ✓ | TW-103 | | | | 12:39 | | | | | | |
| ✓ | Canal Street well | | | | 12:15 | | | | | | |
| ✓ | MW-7 | | | | 12:35 | | | | | | |
| ✓ | MW-9 | | | | 9:38 | | | | | | |
| ✓ | TW-108d | | | | 13:30 | | | | | | |
| ✓ | TW-108S | | | | 16:56 | | | | | | |
| ✓ | MW-19 | | | | 15:24 | | | | | | |
| ✓ | MW-12 | | | | 15:10 | | | | | | |

| | | |
|--|------------------------|------------------------|
| Relinquished by: Signature <i>Frederick Schude</i> | Received by: Signature | Date/Time 5/17/95 9:45 |
|--|------------------------|------------------------|

| | | |
|----------------------------|---|---------------------------|
| Relinquished by: Signature | Received by: Signature <i>Henry M. Vincenzo</i> | Date/Time 5/17/95 9:45 am |
|----------------------------|---|---------------------------|

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 8010/8020 |
| 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 ₅ | 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): | | | | | | | | | | |



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

Ac' city 'addr' 701'
Program Code: 42

CHAIN-OF-CUSTODY RECORD

10721

| | | |
|--|---|---|
| Project Name: <i>VT Chester / La Allen Storage</i> | Reporting Address: <i>PO Box 64709</i> | Billing Address: <i>same as reporting address</i> |
| Site Location: <i>Chester, VT</i> | <i>Burlington VT 05406-4709</i> | |
| Endyne Project Number: | Company: <i>Wagner H. H. & Coys</i> | Sampler Name: <i>F. Schulte / J. Levenson</i> |
| | Contact Name/Phone #: <i>Fredrick Schulte</i> | Phone #: <i>658-0820</i> |

| 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 | | | | |
| ✓ | <i>MW-14</i> | <i>H₂O</i> | ✓ | | <i>5/16/95 15:30</i> | <i>2</i> | <i>40ML VOA</i> | | <i>PA602</i> | <i>holding</i> | |
| - | <i>MW-20</i> | | | | <i>10:20</i> | | | | | | |
| - | <i>Trip Blank</i> | | | | <i>10:00</i> | | | | | | |
| - | <i>Tw-115</i> | | | | <i>16:45</i> | | | | | | |
| ✓ | <i>MW-3</i> | | | | <i>12:22</i> | | | | | | |
| ✓ | <i>Tw-116</i> | | | | <i>16:55</i> | | | | | | |
| - | <i>Tw-110</i> | | | | <i>13:55</i> | | | | | | |
| - | <i>MW-15</i> | | | | <i>15:13</i> | | | | | | |
| - | <i>MW-16</i> | | | | <i>15:41</i> | | | | | | |
| - | <i>MW-17</i> | | | | <i>15:52</i> | | | | | | |
| - | <i>Tw-104</i> | | | | <i>18:00</i> | | | | | | |
| ✓ | <i>Field Blank #1 (105)</i> | | | | <i>16:30</i> | | | | | | |

| | | |
|--|---|----------------------------------|
| Relinquished by: Signature <i>Fredrick Schulte</i> | Received by: Signature <i>[Signature]</i> | Date/Time <i>5/17/95 9:45</i> |
| Relinquished by: Signature | Received by: Signature <i>[Signature]</i> | Date/Time <i>5/17/95 9:45 am</i> |

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 8010/8020 |
| 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 ₅ | 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): | | | | | | | | | | |

CHAIN-OF-CUSTODY RECORD

10722

| | | |
|--|---|--|
| Project Name: VT Chester / Les Allons Site Location: Chester, VT Garage | Reporting Address: PO Box 64709 Burlington VT 05406-4709 | Billing Address: same as reporting address |
| Endyne Project Number: | Company: Weymouth Himele & Hayes Contact Name/Phone #: Frederick Schwelo | Sampler Name: F. Schwelo / S. Savinon Phone #: 658-0220 |

| 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 | | | | |
| ✓ | Field Blank #2 (4) | H ₂ O | ✓ | | 5/16/95 16:35 | 2 | 40ml WIA | | EPA 602 | 16h ₂ | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | |
|---|--|---------------------------|
| Relinquished by: Signature <i>Frederick Schwelo</i> | Received by: Signature | Date/Time 5/17/95 9:45 |
| Relinquished by: Signature | Received by: Signature <i>Shirley Beckwith</i> | Date/Time 5/17/95 9:45 am |

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 8010/8020 |
| 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 ₅ | 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): | | | | | | | | | | |